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RESEARCH AID

**ECONOMIC INTELLIGENCE
STATISTICAL HANDBOOK**

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CIA/RR RA-12-R2

20 June 1958

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ECONOMIC INTELLIGENCE STATISTICAL HANDBOOK

**CIA/RR RA-12-R2
(ORR Project 00.2066)**

NOTICE

This compilation was prepared primarily for use in ORR and is not a formal ORR publication. Data for the Sino-Soviet Bloc are the best estimates of ORR as of 1 April 1958.

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FOREWORD

1. *Objectives and Scope.*

The *Economic Intelligence Statistical Handbook*, 1958 (hereafter referred to as the 1958 Handbook), is a concise reference work in tabular and graphic form. The purpose of this publication is to supply data, primarily on production and inventories, which are pertinent in analyzing and comparing the economies of the countries comprising the Sino-Soviet Bloc* with those comprising the North Atlantic Treaty Organization (NATO).**

In the 1958 Handbook, total production in the countries of the Sino-Soviet Bloc is compared with that in the countries belonging to NATO during the years 1938, 1950, and 1954-57. The previous handbook, which was published in October 1957, covered the years 1938, 1950, and 1954-56. The 1958 Handbook is a revision of the data published earlier and contains data which are believed to be more reliable. A more complete series, including figures for 1946, 1958, and plans for 1960, as well as graphic presentation of these data, is included for the commodities which are considered most important as measures of economic development. Except in the case of the US, data for individual countries belonging to NATO are included only for the years 1955-56 or 1956-57. When available, data for other major producers of the Free World which do not belong to NATO also are included for the same years. Data on the US are given

*The USSR, Communist China, North Korea, North Vietnam, Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Rumania.

**The US, Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the UK, and West Germany. The Saar has been added as a separate political entity because its industrial production often is listed separately in the sources used.

for every year shown and always are included in the total for countries belonging to NATO.

2. *Sources and Reliability.*

Unless otherwise indicated by a source note, data on the Sino-Soviet Bloc represent ORR estimates contained in the ORR Central Estimates File as of 1 April 1958. To provide a central source for up-to-date reference data, the ORR Central Estimates File contains economic estimates which are contributed by the responsible ORR analysts and revised regularly. Some of these estimates are provisional. The wealth of statistical data contained in the economic handbooks which have been issued by various countries of the Sino-Soviet Bloc during the past year has increased the reliability of data contained in the 1958 Handbook compared with that of previous issues. Unless otherwise indicated, figures quoted on plans for 1960 are taken from official Sino-Soviet Bloc sources.

Data on countries belonging to NATO were selected from the most reliable and most current sources available. In general, these sources are unclassified publications of the UN and of the Organization for European Economic Cooperation (OEEC) and official statistical publications of the countries concerned. Reasonable care was exercised in selecting the sources, but CIA does not assume responsibility for their accuracy. A list of the principal sources used is included in this volume.

The omission of a country from a table indicates that information was not available as to the existence or the amount of production. When it is known that there was no production in a country of the Sino-Soviet Bloc, this fact is stated in a footnote. Such a statement is not made in regard to countries belonging to NATO, because the

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sources used usually do not distinguish between the terms *no production* and *na* (not available).

3. *Boundaries.*

Because the Sino-Soviet Bloc is a relatively new political area and because significant boundary changes have occurred during the past 25 years, comparability of data becomes an important problem. Unless otherwise indicated, the boundaries of the countries listed are those presently in force, and the data for earlier years have been adjusted accordingly.

4. *Time Series.*

No attempt has been made in compiling the 1958 Handbook to adjust time series to take account of such problems as homogeneity of the product and consistency of reporting systems. Those inconsistencies which are known are indicated in footnotes to the individual tables.

5. *Rounding.*

With the exception of a few tables, the data in the 1958 Handbook are rounded to three significant digits. The term *Negl.* (negligible) indicates that some production is known to exist but that the amount is too small to be significant.

6. *Totals.*

Totals for countries of the Sino-Soviet Bloc and members of NATO are simple additions of unrounded data and may not always agree with the sum of the rounded figures shown for the individual countries. No adjustment is made to compensate for gaps in information. Totals are omitted, however, if the missing data are believed to represent a significant proportion of the total production. Estimated world totals are included only when the estimates are available in the sources employed and when they do not conflict with the summation of the other data used.

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NATIONAL ACCOUNTS

Table 1

ESTIMATED GROSS NATIONAL PRODUCT AT
MARKET PRICES, 1950 AND 1954-57

Billion 1955 US\$					
Country	1950	1954	1955	1956	1957*
NATO.....	573	n a	711	736	n a
Excluding US and					
Canada.....	230	n a	292	304	n a
Canada.....	21.9	n a	27.3	29.3	n a
US.....	321	365	392	404	407
Sino-Soviet Bloc.....	187	n a	264	287	300
USSR.....	105	n a	146	159	167
Communist China..	39.4	54.7	57.5	64.8	66.0
European Satellites..	42.8	56.4	60.7	63.3	67.1
Bulgaria.....	1.22	1.59	1.75	1.83	1.98
Czechoslovakia..	8.45	10.5	11.4	12.1	12.9
East Germany..	10.8	15.9	16.7	17.6	18.5
Hungary.....	2.84	3.54	3.85	3.43	3.60
Poland.....	16.2	20.4	22.0	23.4	24.9
Rumania.....	3.24	4.48	5.00	4.97	5.22

* Preliminary.

Table 2

Distribution of Gross National Product
at Factor Cost ^a/ by End Use in the
USSR and US, 1955

		Percent ^b /	
		USSR	US
Consumption		58	67
Investment		23	19
Defense		16	11
Administration		3	3
Total		100	100

a. GNP at factor cost equals GNP at market prices plus subsidies minus indirect taxes and statistical discrepancies.

b. Computed from ruble and dollar values.

Table 3

INDEXES OF INDUSTRIAL PRODUCTION, 1950, 1954-57, AND 1958 PROJECTION

						1950=100
Country	1950	1954	1955	1956	1957	1958 Projection
US.....	100	112	124	128	128	n a
USSR.....	100	158	177	200	220	^b 237
Communist China.....	100	271	287	368	394	n a
North Korea ^a	n a	97	144	153	220	n a
North Vietnam ^d	n a	n a	100	145	280	n a
European Satellites.....	100	147	160	169	182	196
Bulgaria.....	100	152	165	184	202	224
Czechoslovakia.....	100	126	137	150	165	178
East Germany.....	100	159	173	183	197	211
Hungary.....	100	150	168	142	158	169
Poland.....	100	147	160	170	182	195
Rumania.....	100	154	171	184	200	216

* Official index.

^b Official plan index.^c 1949=100.^d 1955=100.

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NATIONAL ACCOUNTS

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Table 4
STATE BUDGET OF THE USSR, 1955-58

Billion Current Rubles *

Category	1955		1956		1957		1958
	Plan	Actual	Plan	Actual	Plan	Actual	Plan
Revenues							
Turnover tax.....	233.8	242.4	271.2	258.6	277.3	274.7	301.5
Profit deductions ^b	117.6	102.8	107.3	102.9	116.0	<i>na</i>	130.3
Taxes on the population.....	48.4	48.3	50.3	50.5	51.5	53.2	49.8
State loans ^c	41.8	36.8	^d (40.3)	44.3	39.2	32.4	17.6
Social insurance receipts.....	26.5	26.5	(28.0)	28.3	31.0	<i>na</i>	(33.5)
Machine Tractor Station revenue.....	6.6	6.2	<i>na</i>	10.6	13.9	<i>na</i>	11.9
Taxes on enterprises and organizations..	11.6	12.4	<i>na</i>	14.1	15.5	<i>na</i>	15.6
Other revenues.....	81.4	(72.9)	<i>na</i>	76.6	72.8	<i>na</i>	82.7
Total real revenues.....	567.7	(548.3)	592.7	585.9	617.2	614.5	642.9
Fictitious revenues ^e	22.5	(16.0)	0	0	0	0	0
Total revenues.....	590.2	564.3	592.7	585.9	617.2	614.5	642.9
Expenditures							
Financing the national economy.....	222.3	232.7	237.3	244.8	244.7	(258.1)	257.1
Industry.....	111.8	<i>na</i>	110.0	126.2	118.4	<i>na</i>	129.0
Heavy.....	101.2	<i>na</i>	100.9	<i>na</i>	103.5	<i>na</i>	<i>na</i>
Light.....	10.6	<i>na</i>	9.1	<i>na</i>	14.9	<i>na</i>	<i>na</i>
Agriculture.....	55.1	<i>na</i>	48.6	50.5	52.9	<i>na</i>	53.4
Procurement.....	<i>na</i>	(16.0)	(15.0)	<i>na</i>	1.4	<i>na</i>	<i>na</i>
Transport and communications.....	23.0	<i>na</i>	21.8	20.6	18.0	<i>na</i>	14.4
Trade.....	0.8	<i>na</i>	0.6	1.1	0.5	<i>na</i>	0.6
Municipal economy.....	(8.0)	<i>na</i>	(10.5)	(11.0)	(13.5)	<i>na</i>	<i>na</i>
Other.....	(23.6)	<i>na</i>	(30.8)	<i>na</i>	(40.0)	<i>na</i>	<i>na</i>
Social-cultural measures.....	147.0	147.2	161.5	164.4	188.4	(196.4)	212.8
Education.....	68.5	68.9	72.8	73.6	78.9	<i>na</i>	83.9
Health.....	30.5	31.2	35.1	35.7	37.9	<i>na</i>	40.7
Social welfare.....	48.0	47.1	53.6	55.1	71.6	79.6	88.2
Administration.....	12.6	12.5	12.5	12.1	11.9	<i>na</i>	11.9
Defense.....	112.1	107.4	102.5	97.3	96.7	<i>na</i>	96.3
Loan service ^f	(14.3)	14.3	(16.3)	16.3	18.0	(4.0)	<i>na</i>
Reserve funds of the Councils of Ministers.....	(11.2)	0	13.0	0	14.0	0	16.7
Undisclosed expenditures.....	(21.5)	25.4	(26.5)	(28.6)	(30.9)	(31.1)	32.9
Total real expenditures.....	541.0	539.5	569.6	563.5	604.6	598.2	627.7
Fictitious expenditures.....	22.5	0	0	0	0	0	0
Total stated expenditures.....	563.5	539.5	569.6	563.5	604.6	598.2	627.7
Budget surplus.....	26.7	24.8	23.1	22.4	12.6	16.3	15.2

* An appropriate ruble-dollar ratio is not available to express the budget in terms of US dollars. It would be misleading to convert the rubles to dollars at the official rate of exchange of 4 rubles to 1 US dollar. An idea of the importance of the budget in the national economy is seen by the fact that the 1955 expenditure of 539.5 billion rubles is about 42 percent of the GNP at market prices.

^b Including return of surplus working capital.

^c Including (1) compulsory bond purchases by the population in annual mass loan campaigns, (2) voluntary bond purchases by the population at savings banks, (3) bond purchases by banks investing the net increase in savings deposits, and (4) bond purchases by the state commercial insurance organization investing part of its reserves.

^d Figures in parentheses are estimates.

^e Fictitious items consist of revenues which would have been realized if retail and agricultural procurement prices had not been changed and are offset by corresponding entries under budget expenditures.

^f Including loan service payments to savings banks as well as to the population.

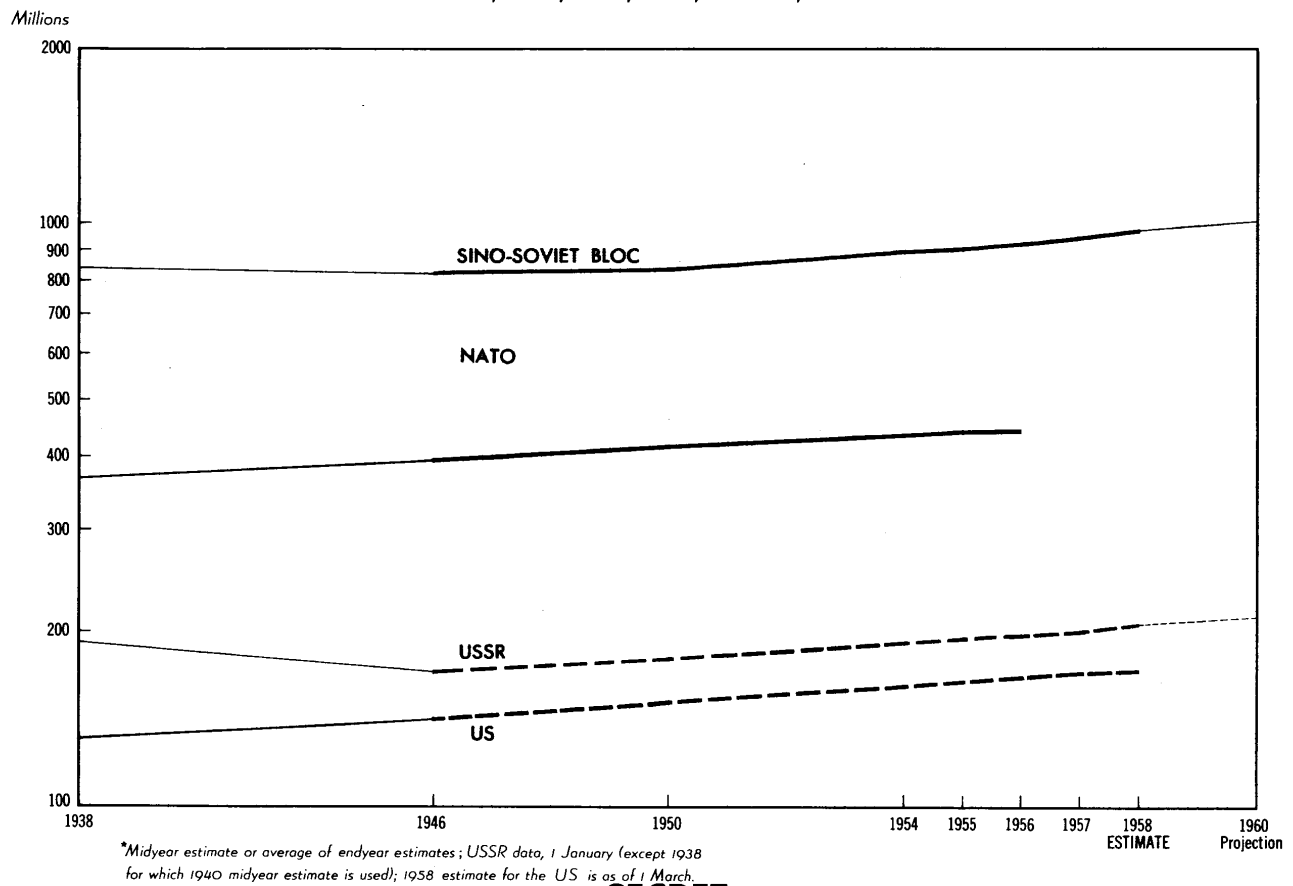
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Figure 1

**COMPARISON OF POPULATION*
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PROJECTION**



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POPULATION

Table 7
CIVILIAN LABOR FORCE,^a 1940, 1950, 1954-58, AND 1960 PROJECTION

Country	1940	1950	1954	1955	1956	1957	Million	
							1958 Esti- mate	1960 Projec- tion
NATO ^b	<i>n a</i>	<i>n a</i>	169	173	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
US ^c	55.6	63.1	64.5	65.8	67.5	67.9	<i>n a</i>	<i>n a</i>
Sino-Soviet Bloc.....	<i>n a</i>	396	432	439	450	459	468	<i>n a</i>
USSR.....	85.5	85.8	89.9	92.0	94.8	96.5	98.1	100
Communist China.....	<i>n a</i>	265	284	289	296	303	310	<i>n a</i>
North Korea.....	3.58	<i>n a</i>	3.77	3.85	4.0	4.1	4.2	<i>n a</i>
North Vietnam.....	<i>n a</i>	<i>n a</i>	7.15	6.76	6.86	6.97	7.07	<i>n a</i>
European Satellites.....	49.5	45.4	47.2	47.8	48.1	48.5	48.7	<i>n a</i>
Albania.....	0.58	0.55	0.64	0.65	0.66	0.68	0.70	<i>n a</i>
Bulgaria.....	3.75	4.00	4.02	4.16	4.23	4.26	4.29	<i>n a</i>
Czechoslovakia.....	7.24	5.92	6.18	6.28	6.45	6.55	6.60	<i>n a</i>
East Germany.....	8.58	8.26	8.10	8.24	8.20	8.15	8.10	<i>n a</i>
Hungary.....	4.48	4.15	4.43	4.49	4.41	4.38	4.39	<i>n a</i>
Poland.....	15.2	12.6	13.5	13.6	13.7	13.9	14.0	<i>n a</i>
Rumania.....	9.67	9.87	10.3	10.4	10.5	10.6	10.6	<i>n a</i>

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	3.57	3.58	Italy.....	19.9	20.1	Norway.....	1.48	1.48
Canada.....	5.68	5.82	Luxembourg.....	0.141	0.143	UK.....	24.0	24.1
France.....	19.2	<i>n a</i>	Netherlands ^d	4.17	4.21	West Germany.....	24.5	25.2
Greece.....	4.13	<i>n a</i>						

^a Including workers 12 years of age or older in the USSR, workers 15 to 64 in the European Satellites, workers 14 years of age or older in the US, and total labor force including armed forces in the other NATO countries. For details regarding the number of armed forces included, see the following footnote. Data refer, in the case of the Sino-Soviet Bloc, to the annual average employment in nonagriculture and midyear or end-of-year employment in agriculture and, in the case of the NATO countries other than the US, to midyear estimates. Data for the US refer to annual averages of monthly data.

^b Excluding Denmark, Iceland, Portugal, and Turkey. For countries other than the US, armed forces are included. In 1954 the armed forces made up 2,805,800 of the total labor force of those countries; in 1955, 2,733,500.

^c Including unemployed.

^d Man-years.

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POPULATION

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Table 8
AGRICULTURAL LABOR FORCE,* 1940, 1950, AND 1954-57

Country	Million					
	1940	1950	1954	1955	1956	1957
US.....	9.54	7.51	6.50	6.73	6.58	6.22
Sino-Soviet Bloc.....	<i>n a</i>	290	310	315	321	329
USSR.....	53.2	47.7	45.8	47.2	48.5	48.8
Communist China.....	<i>n a</i>	217	232	235	240	247
North Korea.....	<i>n a</i>	<i>n a</i>	2.83	2.89	3.00	3.06
North Vietnam.....	<i>n a</i>	<i>n a</i>	6.08	5.75	5.83	5.92
European Satellites.....	26.3	25.0	23.7	23.8	23.9	23.9
Albania.....	0.54	0.46	0.51	0.51	0.50	0.50
Bulgaria.....	3.05	3.12	2.98	3.03	3.08	3.09
Czechoslovakia.....	2.79	2.28	2.02	2.06	2.10	2.14
East Germany.....	1.72	2.12	1.69	1.74	1.78	1.77
Hungary.....	2.14	2.09	1.93	1.97	1.96	1.95
Poland.....	8.70	7.63	7.47	7.37	7.30	7.23
Rumania.....	7.35	7.26	7.11	7.14	7.18	7.23

* For description of data, see Table 7, footnote a.

Table 9
NONAGRICULTURAL LABOR FORCE,* 1940, 1950, AND 1954-57

Country	Million					
	1940	1950	1954	1955	1956	1957
US.....	38.0	52.4	54.7	56.5	58.4	58.8
Sino-Soviet Bloc.....	<i>n a</i>	107	122	125	129	130
USSR.....	32.3	38.1	44.1	44.8	46.3	47.7
Communist China.....	<i>n a</i>	48	52	54	56	56
North Korea.....	<i>n a</i>	<i>n a</i>	0.94	0.96	1.00	1.04
North Vietnam.....	<i>n a</i>	<i>n a</i>	1.07	1.01	1.03	1.05
European Satellites.....	23.2	20.4	23.4	24.0	24.2	24.6
Albania.....	0.04	0.09	0.13	0.14	0.16	0.18
Bulgaria.....	0.70	0.88	1.04	1.13	1.15	1.17
Czechoslovakia.....	4.45	3.64	4.16	4.22	4.35	4.41
East Germany.....	6.86	6.14	6.41	6.50	6.42	6.38
Hungary.....	2.34	2.06	2.50	2.52	2.45	2.43
Poland.....	6.50	5.00	6.04	6.23	6.40	6.67
Rumania.....	2.32	2.61	3.16	3.24	3.29	3.32

* For description of data, see Table 7, footnote a.

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POPULATION

Table 10
MILITARY AGE GROUP,* 1956 AND 1961 AND
1966 PROJECTIONS

Country	Thousand		
	1956	1961 Projec- tion	1966 Projec- tion
US.....	11,200	11,500	13,100
Sino-Soviet Bloc.....	82,600	82,100	81,800
USSR.....	18,500	19,200	18,800
Communist China.....	54,900	53,700	54,000
North Korea.....	670	672	678
North Vietnam.....	1,100	1,120	1,140
European Satellites.....	7,480	7,430	7,190
Albania.....	130	140	150
Bulgaria.....	670	610	600
Czechoslovakia.....	930	900	990
East Germany.....	1,100	^b 1,200	^b 1,110
Hungary.....	760	690	720
Poland.....	2,330	2,310	2,120
Rumania.....	1,560	1,580	1,500

* Including the total male population 20 to 29 years of age as of the beginning of the year.

^b Assuming average annual emigration of 200,000 persons of all ages.

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FUELS AND POWER

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Table 11

PRODUCTION OF ELECTRIC POWER, 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Billion Kilowatt-Hours								1960 Plan
	1938	1946	1950	1954	1955	1956	1957	1958 Estimate	
NATO *	309	450	643	907	1,060	^b 1,140	^b 1,180	<i>n a</i>	....
US total *	150	283	407	573	660	718	754	773-802	^d 960
of which Hydro.....	51.5	87.4	106	117	122	130	129	136	^d 145
Sino-Soviet Bloc.....	78.2	<i>n a</i>	143	230	260	294	322	356	476
USSR total.....	39.4	48.6	91.2	151	170	192	210 ^e	232	300
of which Hydro.....	5.1	6.0	12.7	18.6	23.1	29.0	33	40	51
Communist China.....	4.5	3.8	4.55	11.0	13.4	16.6	19.0	22.4	31.0
North Korea.....	2.5	3.93	3.0	2.0	3.0	5.1	6.9	7.9	9.0
North Vietnam.....	0.024	<i>n a</i>	0.074	0.160	0.046	0.117	0.138	0.163	0.227
European Satellites.....	31.8	<i>n a</i>	44.1	65.8	73.4	79.9	85.5	93.9	116
Albania.....	0.003	<i>n a</i>	0.021	0.061	0.082	0.104	0.125	0.140	0.153
Bulgaria.....	0.232	0.437	0.780	1.8	2.1	2.4	2.66	2.95	4.1
Czechoslovakia.....	4.05	5.57	9.27	13.6	15.0	16.6	17.7	19.5	25.3
East Germany.....	18.0	11.1	19.5	26.0	28.7	31.2	32.8	34.9	41.5
Hungary.....	1.40	1.28	3.00	4.82	5.43	5.20	5.5	7.0	8.3
Poland.....	6.96	<i>n a</i>	9.47	15.5	17.8	19.5	21.2	23.7	29.8
Rumania.....	1.13	<i>n a</i>	2.11	4.0	4.3	4.93	5.3	5.7	7.0

NATO COUNTRIES

	1956 ^b	1957 ^b		1956 ^b	1957 ^b		1956 ^b	1957 ^b
Belgium.....	11.1	12.6	Iceland *	0.417	<i>n a</i>	Portugal.....	2.16	2.16
Canada.....	^e 81.7	90.7	Italy.....	40.6	41.9	Saar.....	2.75	2.16
Denmark.....	^f 4.05	^e 3.35	Luxembourg.....	1.17	1.21	Turkey.....	^g 1.54	<i>n a</i>
France.....	53.8	^e 54.0	Netherlands.....	12.4	13.4	UK.....	101	^e 91.0
Greece.....	1.60	^h 1.52	Norway.....	23.7	25.5	West Germany.....	85.1	90.9

OTHER COUNTRIES

Austria.....	11.7	^e 9.94	Japan.....	73.6	77.7	Switzerland ⁱ	14.9	15.9
Finland.....	6.64	7.70	Spain.....	13.9	^k 12.2	Yugoslavia.....	5.05	6.23
India.....	12.0	^e 10.9	Sweden.....	26.6	29.1			

* Excluding Iceland and Turkey (1957). The 1938 figure includes all Germany. Data refer to total production at generating centers (therefore including transmission losses) except for Canada (1956), Denmark and the UK (1957), Greece (1938-50), and Iceland (all years), which include production by enterprises generating primarily for public use. For further information regarding data for these countries, see individual country listing.

^b Preliminary.

^e Figures are gross estimates based on reported net, adjusted to include private industrial producers. These figures are, therefore, a more realistic comparison with Sino-Soviet Bloc areas, which have been reporting on a gross basis.

^d Estimate.

^e Production by enterprises generating primarily for public use.

^f Year beginning 1 April of year stated.

^g Approximately 95 percent of total production.

^h Approximately 88 percent of total production.

ⁱ Approximately 90 percent of total production.

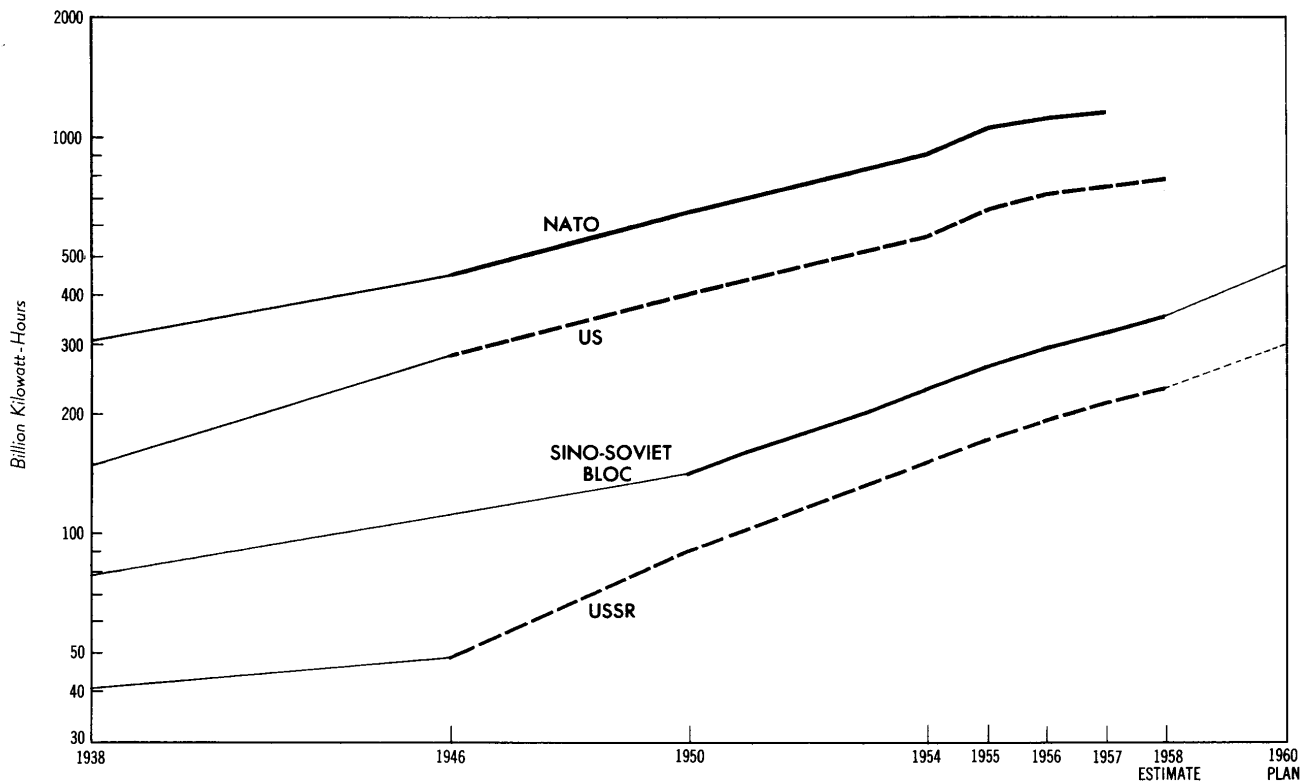
^j Year ending 30 September of year stated.

^k 10 months.

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Figure 2

**COMPARISON OF PRODUCTION OF ELECTRIC POWER IN SELECTED AREAS
1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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FUELS AND POWER

Table 12
PRODUCTION OF COAL,^a 1954-58 AND 1960 PLAN

Country	Million MT/SF ^b					
	1954	1955	1956	1957	1958	1960 Plan
NATO ^c	901	968	1,010	996	<i>n a</i>	.....
US.....	395	460	496	485	<i>n a</i>	.....
Sino-Soviet Bloc.....	553	614	663	711	<i>n a</i>	<i>n a</i>
USSR.....	275	311	341	368	389	470
Communist China.....	73.8	86.9	98.4	113	<i>n a</i>	^d 214
North Korea.....	1.57	2.48	2.95	3.78	4.54	^e 7.19
North Vietnam.....	^f 0.901	^f 0.706	1.11	1.30	1.49	1.86
European Satellites.....	201	213	220	225	<i>n a</i>	<i>n a</i>
Albania.....	0.075	0.098	0.112	0.118	0.134	0.148
Bulgaria.....	4.51	5.07	5.46	6.00	6.09	<i>n a</i>
Czechoslovakia.....	43.9	46.2	50.8	54.6	56.9	66.6
East Germany.....	59.4	65.3	67.1	68.8	<i>n a</i>	79.2
Hungary.....	10.4	10.8	9.87	10.2	11.6	12.4
Poland.....	80.2	82.7	83.3	82.4	82.3	92.9-93.4
Rumania.....	2.92	2.96	3.14	3.34	3.56	5.46

^a Including hard (anthracite and bituminous) and brown coal and lignite in terms of standard fuel. For actual tonnages of hard or brown coal, see Tables 13 and 14.

^b Million metric tons of standard fuel. The average calorific values used to convert to standard fuel of 7,000 kilocalories per kilogram are listed below. Computations for standard fuel were not carried out for pre-1952 data, because to do so, using these same values, would be misleading. In most countries, there has been a deterioration in the quality of coal since 1938 which has resulted in lower calorific values. Because the trend has not been uniform it would be very difficult to arrive at the appropriate calorific values to be used for years before 1952.

Average Calorific Values in Kilocalories per Kilogram

Country or Area	Brown Coal and Lignite	
	Hard Coal	
NATO (excluding US).....	6,700	2,800
US.....	7,260	3,890
USSR.....	6,653	2,925
Communist China.....	6,500	<i>n a</i>
North Korea.....	6,100	4,240
North Vietnam.....	6,500	<i>n a</i>
Albania.....	<i>n a</i>	3,500
Bulgaria.....	5,250	3,476
Czechoslovakia.....	6,700	4,300
East Germany.....	6,000	2,200
Hungary.....	4,600	3,215
Poland.....	6,000	2,000
Rumania.....	6,500	3,300

^c Excluding Iceland and Luxembourg. Production of hard coal only is included for Belgium, Norway, the Saar, and the UK; production of brown coal and lignite only is included for Denmark and Greece.

^d Estimate based on the 1962 plan.

^e Estimate based on the 1961 plan.

^f Partly French and partly Communist Vietnam.

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FUELS AND POWER

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Table 13

PRODUCTION OF HARD COAL,^a 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Million Metric Tons								
	1938	1946	1950	1954	1955	1956	1957	1958 Estimate	1960 Plan
NATO ^b	879	890	963	868	932	970	956	<i>n a</i>	.....
US.....	355	537	505	379	442	477	466	<i>n a</i>	.....
Sino-Soviet Bloc.....	247	199	329	445	495	536	577	<i>n a</i>	<i>n a</i>
USSR.....	115	114	185	244	277	303	327	346	^c 418
Communist China ^d	^e 39.6	^f 19.0	40.9	79.5	93.6	106	122	<i>n a</i>	^g 230
North Korea.....	<i>n a</i>	0.700	1.07	1.20	1.80	2.20	2.85	3.40	^h 5.4
North Vietnam.....	ⁱ 2.34	^j 0.260	^k 0.500	^l 0.970	^m 0.760	1.20	1.40	1.60	2.00
European Satellites ⁿ	90.2	65.0	101	119	122	124	123	<i>n a</i>	<i>n a</i>
Bulgaria.....	0.145	0.093	0.157	0.294	0.293	0.370	0.400	0.450	<i>n a</i>
Czechoslovakia.....	15.8	14.2	18.5	21.6	22.1	23.4	24.2	25.4	28.6
East Germany.....	3.51	2.51	2.80	2.65	2.67	2.74	2.25	<i>n a</i>	2.96
Hungary.....	1.04	0.722	1.40	2.44	2.69	2.10	2.20	2.40	2.60
Poland.....	69.4	47.3	78.0	91.6	94.5	95.1	94.1	93.5	105
Rumania.....	0.349	0.167	0.237	0.565	0.192	0.191	0.200	0.250	0.300

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	29.6	29.1	Netherlands.....	11.8	11.4	Turkey.....	5.89	3.8
Canada.....	11.4	10.0	Norway ¹	0.390	0.4	UK ^m	226	227
France.....	55.1	56.8	Portugal.....	0.414	0.5	West Germany.....	134	133
Italy.....	1.08	1.0	Saar.....	17.1	16.5			

OTHER COUNTRIES

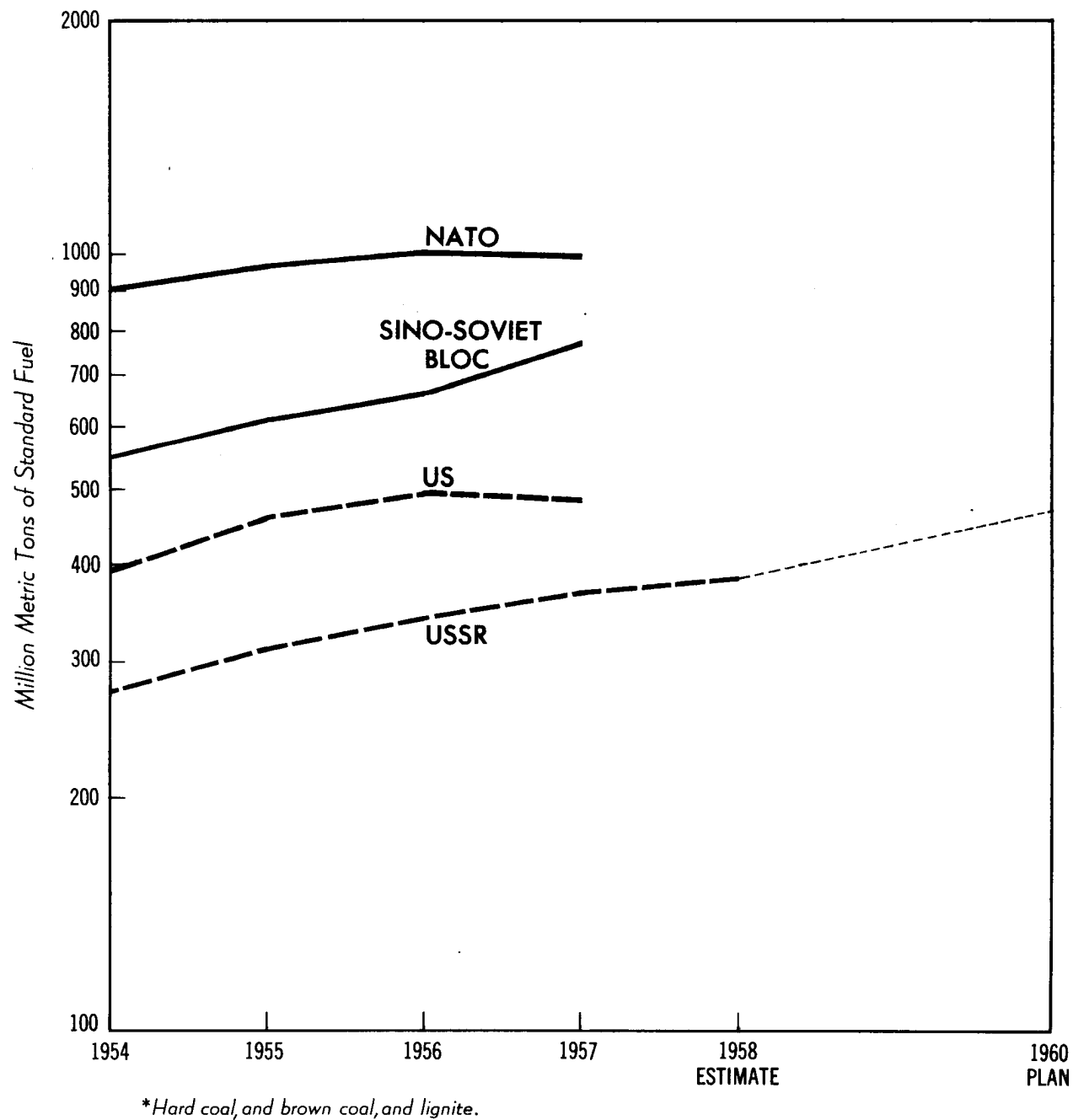
Australia.....	19.6	19.9	Spain.....	12.8	13.9	Union of South Africa.....	33.9	35.0
India.....	40.1	42.6	Taiwan.....	2.53	2.8	Yugoslavia.....	1.23	1.3
Japan.....	46.6	51.8						
World Total.....	1,680	1,710						

^a Including anthracite and bituminous coal.^b Excluding Denmark, Greece, Iceland, and Luxembourg. The 1938 total includes all Germany.^c Prorated from announced plan figure for total coal.^d Including negligible amount of brown coal.^e 1936.^f 1947.^g 1962 plan.^h 1961 plan.ⁱ All French; no Communist production.^j Total annual production under both French and Communist domination.^k No production in Albania.^l Norwegian mines in Svalbard only.^m Excluding Northern Ireland.

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Figure 3

COMPARISON OF PRODUCTION OF COAL* IN SELECTED AREAS, 1954-58 AND 1960 PLAN



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FUELS AND POWER

Table 14

PRODUCTION OF BROWN COAL AND LIGNITE, 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Million Metric Tons								
	1938	1946	1950	1954	1955	1956	1957	1958 Estimate	1960 Plan
NATO ^a	199	62.9	85.9	98.7	101	107	109	<i>n a</i>	.....
US.....	2.72	2.42	3.06	2.54	2.87	2.68	3.00	<i>n a</i>	.....
Sino-Soviet Bloc ^b	169	192	267	363	399	422	445	<i>n a</i>	<i>n a</i>
USSR.....	18.5	49.8	75.9	103	115	126	136	143	^c 174
North Korea.....	1.70	0.600	0.900	0.870	1.50	1.70	2.15	2.60	^d 4.1
European Satellites.....	149	142	191	259	283	294	307	<i>n a</i>	<i>n a</i>
Albania.....	0.004	0.017	0.034	0.150	0.197	0.224	0.236	0.267	0.295
Bulgaria.....	1.94	3.42	5.77	8.63	9.76	10.4	11.5	11.6	<i>n a</i>
Czechoslovakia.....	16.0	19.5	27.5	37.9	40.8	46.3	51.2	53.0	63.9
East Germany.....	120	110	137	182	201	206	213	<i>n a</i>	244
Hungary.....	3.32	5.63	11.9	19.1	19.6	18.5	19.0	21.8	23.3
Poland.....	5.87	1.46	4.84	5.91	6.04	6.18	5.95	7.64	10.0-12.0
Rumania.....	2.48	1.78	3.66	5.07	5.91	6.28	6.70	7.05	11.0

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Canada.....	2.12	2.1	Greece.....	0.90	1.0	Portugal.....	0.146	0.2
Denmark.....	1.22	1.6	Italy.....	0.400	0.4	Turkey ^e	1.32	1.4
France.....	2.26	2.3	Netherlands.....	0.270	0.3	West Germany.....	95.2	96.9

OTHER COUNTRIES

Australia.....	10.7	11.0	Japan.....	1.52	1.7	Spain.....	1.93	2.4
Austria.....	6.73	6.8	New Zealand.....	1.86	1.8	Yugoslavia.....	15.9	17.0

^a Excluding Belgium, Iceland, Luxembourg, Norway, and the UK. The 1938 total excludes Denmark and includes all Germany.

^b No production in North Vietnam. Negligible production in Communist China is included with hard coal.

^c Prorated from the announced plan figure for total coal.

^d 1961 plan.

^e Production of state-owned mines only, which represents about 80 percent of total production.

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FUELS AND POWER

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Table 15
PRODUCTION OF PEAT,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	<i>n a</i>	<i>n a</i>	2,990	3,320	3,420	<i>n a</i>
US.....	<i>n a</i>	119	222	248	322	<i>n a</i>
Sino-Soviet Bloc ^c	27,700	37,400	47,900	53,500	46,800	<i>n a</i>
USSR.....	26,500	36,000	45,000	50,800	43,900	54,000
European Satellites.....	1,160	1,400	2,900	2,760	2,900	<i>n a</i>
Czechoslovakia.....	<i>Negl.</i>	300	500	500	500	<i>n a</i>
East Germany.....	^d 150	195	350	<i>n a</i>	<i>n a</i>	<i>n a</i>
Hungary.....	15	8	55	60	<i>n a</i>	<i>n a</i>
Poland.....	1,000	900	2,000	2,200	2,400	<i>n a</i>

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada ^e	107	113	Iceland.....	<i>Negl.</i>	<i>Negl.</i>	Norway.....	267	268
Denmark.....	712	706	Italy.....	1	1	West Germany.....	1,490	1,510
France.....	47	50	Netherlands.....	450	450			

OTHER COUNTRIES

Finland.....	173	183	Ireland.....	3,580	3,680	Sweden.....	315	315
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^a Including peat produced for agricultural use only in the US and for both fuel and agricultural use in other NATO countries. Data for the Sino-Soviet Bloc refer to peat used as fuel only.

^b Excluding Belgium, Greece, Luxembourg, Portugal, Turkey, and the UK.

^c Little or no production in countries of the Sino-Soviet Bloc which are not listed.

^d 1936.

^e Excluding negligible production of peat fuel.

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FUELS AND POWER

Table 16
PRODUCTION OF METALLURGICAL COKE, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	105,000	132,000	136,000	156,000	^b 162,000	<i>n a</i>
US ^c	29,500	66,000	54,100	68,300	^b 67,500	<i>n a</i>
Sino-Soviet Bloc ^d	27,300	37,700	57,700	63,400- 63,900	67,600	71,200
USSR.....	20,300	27,700	40,300	43,600	46,600	48,600
Communist China.....	1,040	1,280	4,500	5,500	5,570	^e 6,680
North Korea.....	<i>n a</i>	405	33	154	200	240
European Satellites.....	5,950	8,250	12,800	14,200- 14,700	15,200	15,700
Bulgaria.....	4	10	15	20	20	20
Czechoslovakia.....	^f 3,280	4,880	6,320	6,550	6,860	7,010
East Germany.....	280	240	264	^e 465	^e 500	^e 500
Hungary ^h	0	0	0	0	50	75
Poland.....	ⁱ 2,300	3,000	5,960	7,000- 7,500	7,500	7,700
Rumania.....	86	120	265	144	256	420

NATO COUNTRIES

	1955	1956 ^b		1955	1956 ^b		1955	1956 ^b
Belgium.....	6,600	7,270	Italy ⁱ	2,950	3,410	UK.....	18,400	19,800
Canada.....	3,370	3,630	Netherlands ⁱ	3,900	4,240	West Germany.....	40,600	43,500
France.....	10,700	12,200	Turkey.....	674	688			

OTHER COUNTRIES

Australia ^j	2,080	2,100	Japan ⁱ	4,510	5,290	Union of South Africa ⁱ	1,390	1,480
Austria ^k	1,450	1,720	Spain.....	1,450	1,600	Yugoslavia.....	731	923

^a Excluding Denmark, Greece, Iceland, Luxembourg, Norway, and Portugal. The 1938 total includes all Germany. Data exclude breeze coke in all countries except Italy and the Netherlands.

^b Preliminary.

^c Including coke made in byproduct coke ovens installed in gas works (1938-54 only).

^d No production in Albania.

^e Plan.

^f 1937.

^g Including some high-temperature brown coal coke used for metallurgical purposes, estimated at 180,000 tons in 1955 and 200,000 tons in 1956 and 1957.

^h Excluding gas coke.

ⁱ Including breeze coke.

^j Year ending 30 June of year stated.

^k Production of the Linz cokery only.

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FUELS AND POWER

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Table 17

PRODUCTION OF CRUDE PETROLEUM, 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons								
	1938	1946	1950	1954	1955	1956	1957	1958 Estimate	1960 Plan
NATO ^a	166,000	236,000	273,000	330,000	359,000	^b 384,000	<i>n a</i>	<i>n a</i>	.....
US.....	164,000	234,000	267,000	313,000	336,000	354,000	354,000	<i>n a</i>	.....
Sino-Soviet Bloc ^c	37,600	27,000	44,100	71,700	84,600	97,900	112,000	127,000	156,000
USSR.....	30,200	21,700	37,900	59,300	70,800	83,800	98,300	112,000	135,000
Communist China ^d	128	87	200	789	966	1,160	1,460	1,550	^e 5,500
European Satellites..	7,290	5,220	5,960	11,600	12,800	12,900	12,900	14,000	17,200
Albania.....	125	100	130	180	210	270	490	740	2,000
Bulgaria.....	0	0	0	80	150	250	280	310	^f 350
Czechoslovakia..	19	29	63	125	107	108	^g 110	120	115
East Germany...	0	0	0	0	0.46	0.46	^h 0.46	9	70
Hungary.....	40	670	510	1,200	1,600	1,200	670	840	ⁱ 1,000
Poland.....	507	120	160	184	180	184	180	180	170
Rumania.....	6,600	4,300	5,100	9,800	10,600	10,900	11,200	11,800	13,500

NATO COUNTRIES

	1956	1957 ^b		1956	1957 ^b		1956	1957 ^b
Canada....	23,100	^a 22,700	Netherlands.....	1,100	1,520	UK.....	^b 146	<i>n a</i>
France....	1,260	1,420	Turkey.....	306	^b 249	West Germany..	3,510	3,960
Italy.....	567	1,260						

OTHER COUNTRIES

Argentina..	4,440	4,860	Iran.....	26,200	34,900	Qatar.....	5,880	6,610
Austria....	3,430	3,190	Iraq ⁱ	31,100	21,700	Sarawak.....	72	<i>n a</i>
Bahrein....	1,500	1,600	Japan.....	346	320	Saudi Arabia....	48,200	48,400
Brunei....	5,620	<i>n a</i>	Kuwait.....	55,000	57,300	Trinidad.....	4,140	4,910
Colombia..	6,110	6,290	Kuwait Neutral Zone.	1,670	<i>n a</i>	Venezuela.....	132,000	148,000
Egypt.....	1,730	2,360	Mexico.....	13,000	12,700	Yugoslavia.....	294	396
Indonesia..	12,700	<i>n a</i>	Peru.....	2,460	<i>n a</i>			
World Total ^b	840,000	<i>n a</i>						

^a Excluding Belgium, Denmark, Greece, Iceland, Luxembourg, Norway, and Portugal. The 1938 total includes all Germany. Excluding natural gasoline but including shale oil.

^b Preliminary.

^c No production in North Korea or North Vietnam. Excluding synthetic production except for China.

^d Including production of natural and synthetic crude oil.

^e 1962 plan.

^f Estimate.

^g 11 months.

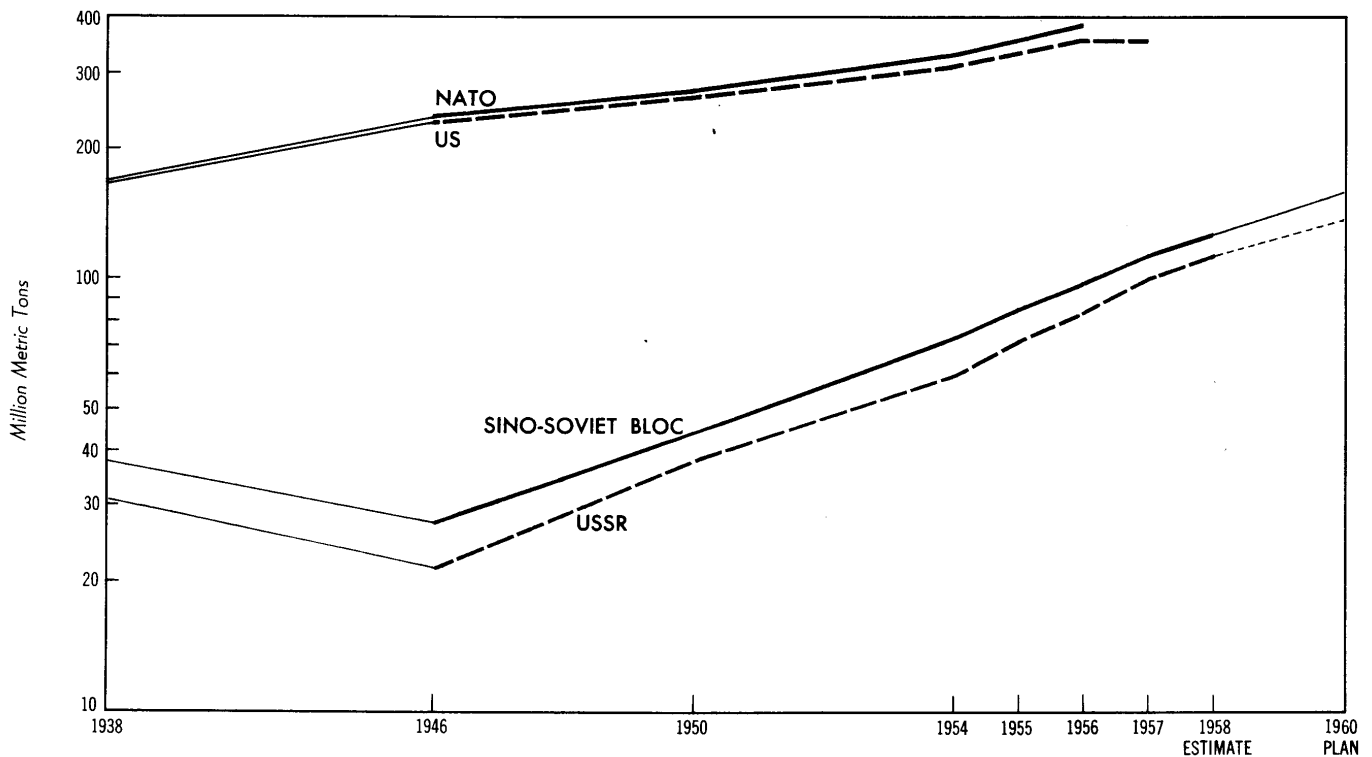
^h 10 months.

ⁱ Excluding Naft Khaneh (435,000 tons in 1955).

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Figure 4

**COMPARISON OF PRODUCTION OF CRUDE PETROLEUM
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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FUELS AND POWER

Table 18
PRODUCTION OF NATURAL GAS, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	54,200	145,000	204,000	246,000	261,000	^b 282,000
US.....	53,400	142,000	198,000	^c 240,000	^c 253,000	^{b c} 273,000
Sino-Soviet Bloc ^d	4,180	7,400	10,600	12,200	15,600	22,100
USSR ^e	^f 1,700	4,600	5,900	7,100	9,500	14,600
European Satellites ^g	2,480	2,800	4,710	5,060	6,140	7,530
Bulgaria.....	<i>n a</i>	<i>n a</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
Czechoslovakia.....	<i>Negl.</i>	25	120	121	161	551
East Germany.....	0	0	10	10	10	20
Hungary.....	8	140	210	230	240	250
Poland.....	552	140	270	300	330	^b 310
Rumania.....	1,920	2,500	4,100	4,400	5,400	6,400

NATO COUNTRIES

	1956	1957 ^b		1956	1957 ^b		1956	1957 ^b
Canada.....	3,930	^f 4,320	Italy.....	3,570	4,000	West Germany..	298	278
France.....	255	449						

OTHER COUNTRIES

Austria.....	596	606	Japan.....	142	198	Venezuela.....	2,400	^f 2,620
Indonesia ^j	1,640	<i>n a</i>	Mexico ^j	2,820	^f 3,280			

^a Including Canada, France, Italy, the Netherlands (except 1955-57), the US, and West Germany. The 1938 total includes the 1937 production figure for all Germany. The 1957 total includes an 11-month total for Canada. Unless otherwise noted, data refer to natural gas actually collected and utilized as fuel or raw material, converted at the rate of 0.0008 metric ton per cubic meter.

^b Preliminary.

^c Derived from reported figure representing 59 percent of total production.

^d No production in North Korea, North Vietnam, or Albania.

^e Data converted at the rate of 0.00079 metric ton per cubic meter.

^f 1937.

^g Converted at the rate of 0.000761 metric ton per cubic meter.

^h Estimate.

ⁱ 11 months.

^j Total production, including gas for repressuring and gas wasted.

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FUELS AND POWER

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Table 19

PRODUCTION OF PETROLEUM PRODUCTS,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	176,000	321,000	436,000	469,000	504,000	<i>n a</i>
US.....	158,000	272,000	331,000	355,000	378,000	<i>n a</i>
Sino-Soviet Bloc ^c	<i>n a</i>	42,300	69,100	82,000	94,100	108,000
USSR ^d	<i>n a</i>	34,800	54,800	65,800	77,600	90,400
Communist China.....	111	170	848	1,040	1,210	1,360
European Satellites.....	<i>n a</i>	7,360	13,400	15,100	15,300	• 16,100
Albania ^e	0	20	50	65	90	• 225
Bulgaria.....	30	0	0	30	45	• 70
Czechoslovakia.....	<i>n a</i>	560	730	815	930	• 1,050
East Germany.....	<i>n a</i>	1,300	2,160	2,110	2,300	• 2,380
Hungary.....	240	510	1,440	1,700	1,310	• 1,430
Poland.....	<i>n a</i>	320	605	675	710	• 755
Rumania.....	5,900	4,640	8,390	9,670	9,910	• 10,200

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	4,380	5,110	Italy.....	16,100	17,700	UK.....	25,200	26,200
Canada.....	22,900	27,300	Netherlands.....	11,900	13,400	West Germany....	9,260	10,300
France.....	23,000	24,700	Portugal.....	828	890			

OTHER COUNTRIES

Austria.....	2,160	2,070	Sweden.....	1,920	1,930
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^a Data here presented are not intended to be totals of data in Tables 20 through 24, because this table includes some minor miscellaneous products which are not included in any of the following tables.

^b Excluding Denmark, Greece, Iceland, Luxembourg, Norway, and Turkey. Data refer to total production less consumption at the refineries. Synthetic products and substitute fuels are excluded.

^c No production in North Korea or North Vietnam. Including petroleum products from indigenous and imported natural crude oil and from synthetic sources.

^d Including refinery gas in the following amounts: 1950, 1,100 tons; 1954, 1,700 tons; 1955, 2,100 tons; 1956, 2,400 tons; and 1957, 3,750 tons.

^e Preliminary.

^f Including refined asphalt.

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Table 20
 PRODUCTION OF GASOLINE,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	67,700	120,000	161,000	186,000	195,000	<i>n a</i>
US	60,700	106,000	131,000	156,000	163,000	<i>n a</i>
Sino-Soviet Bloc ^c	<i>n a</i>	9,820	17,700	20,200	24,200	27,400
USSR	<i>n a</i>	7,300	13,400	15,900	19,800	22,900
Communist China	15	46	194	223	286	319
European Satellites	<i>n a</i>	2,470	4,110	4,090	4,080	^d 4,170
Albania	0	<i>Negl.</i>	4	5	7	^d 21
Bulgaria	6	0	0	0	0	<i>Negl.</i>
Czechoslovakia	<i>n a</i>	190	165	175	190	^d 200
East Germany	<i>n a</i>	480	770	740	710	^d 680
Hungary	77	200	340	400	260	^d 280
Poland	<i>n a</i>	100	125	130	160	^d 190
Rumania	1,530	1,500	2,700	2,640	2,750	^d 2,800

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium	924	1,160	Italy	2,720	3,100	UK	6,980	6,880
Canada	8,840	9,600	Netherlands	2,380	2,360	West Germany	2,810	2,960
France	5,130	5,500	Portugal	217	234			

OTHER COUNTRIES

Austria	279	^d 219	Mexico	1,880	^d 2,120	Spain	424	^d 454
Bahrein	2,010	^d 1,630	Netherlands Antilles ^e	4,480	^d 4,030	Sweden	204	^d 167
Indonesia	2,570	^d 2,440	Saudi Arabia	1,310	^d 1,280	Venezuela	3,090	^d 3,350
Japan	1,780	^d 2,250						
World Total ^f	206,000	^d 217,000						

^a Including motor and aviation gasoline.

^b Excluding Denmark, Greece, Iceland, Luxembourg, Norway, and Turkey. The 1938 total includes all Germany.

^c No production in North Korea or North Vietnam. Including production of gasoline from indigenous and imported natural crude oil and from synthetic sources.

^d Preliminary.

^e Exports.

^f Excluding Albania, Communist China, Czechoslovakia, India, and the USSR.

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FUELS AND POWER

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Table 21
PRODUCTION OF KEROSENE, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	9,310	17,400	27,300	28,500	^b 31,400	<i>n a</i>
US.....	8,320	15,300	21,600	22,300	^b 24,300	<i>n a</i>
Sino-Soviet Bloc ^c	<i>n a</i>	7,230	9,970	12,700	13,900	16,000
USSR.....	<i>n a</i>	6,300	8,400	10,900	12,000	14,000
Communist China.....	5	12	86	103	129	152
European Satellites.....	<i>n a</i>	915	1,480	1,730	1,750	^b 1,800
Albania.....	0	<i>Negl.</i>	2	2	4	^b 15
Bulgaria.....	8	0	0	0	<i>Negl.</i>	^b 5
Czechoslovakia.....	<i>n a</i>	50	50	60	70	^b 80
East Germany.....	<i>n a</i>	10	70	110	150	^b 160
Hungary.....	71	80	140	170	110	^b 130
Poland.....	<i>n a</i>	40	30	30	20	^b 15
Rumania.....	1,083	735	1,190	1,360	1,400	^b 1,400

NATO COUNTRIES

	1955	1956 ^b		1955	1956 ^b		1955	1956 ^b
Belgium.....	166	207	Italy ^d	1,110	1,140	UK.....	1,090	1,020
Canada.....	1,880	2,460	Netherlands ^d	747	849	West Germany..	168	212
France.....	919	1,040	Portugal.....	178	131			

OTHER COUNTRIES

Bahrein.....	1,060	1,120	Mexico.....	888	982	Venezuela.....	984	1,110
Indonesia.....	1,640	1,660	Netherlands Antilles ^e ..	2,940	3,070	Yugoslavia.....	24.8	29.4
Japan.....	527	738	Saudi Arabia.....	948	775			
World Total ^f	44,100	49,400						

^a Excluding Denmark, Greece, Iceland, Luxembourg, Norway and, Turkey. The 1938 total includes 1937 data for all Germany. Data refer chiefly to illuminating oil and power kerosene, including white gas, tractor blends, jet fuel, and the like.

^b Preliminary.

^c No production in North Korea or North Vietnam. Including production of kerosene from indigenous and imported natural crude oil and from synthetic sources.

^d Excluding quantities used at refineries and lost.

^e Exports only.

^f Excluding Albania, Communist China, India, and the USSR.

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FUELS AND POWER

Table 22
PRODUCTION OF DIESEL FUEL, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	24,300	67,600	101,000	113,000	111,000	<i>n a</i>
US ^b	20,300	53,500	72,700	80,800	88,500	88,800
Sino-Soviet Bloc ^c	<i>n a</i>	5,060	11,400	14,200	17,700	20,000
USSR.....	<i>n a</i>	3,600	8,700	10,900	14,200	16,600
Communist China.....	5	7	39	47	56	63
European Satellites.....	<i>n a</i>	1,450	2,680	3,280	3,400	^d 3,720
Albania.....	0	<i>Negl.</i>	5	7	9	^d 38
Bulgaria.....	4	0	0	10	10	^d 20
Czechoslovakia.....	<i>n a</i>	150	350	380	440	^d 500
East Germany.....	<i>n a</i>	410	740	710	840	^d 940
Hungary.....	79	100	350	410	320	^d 360
Poland.....	<i>n a</i>	60	130	130	140	^d 160
Rumania.....	858	730	1,100	1,630	1,640	^d 1,700

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	1,160	1,400	Italy.....	3,590	3,940	UK.....	4,660	5,270
Canada ^a	12,000	<i>n a</i>	Netherlands.....	2,670	2,690	West Germany.....	2,940	3,230
France.....	5,240	5,560	Portugal.....	133	153			

OTHER COUNTRIES

Austria.....	580	531	Sweden.....	133	153
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^a Excluding Denmark, Greece, Iceland, Luxembourg, Norway, and Turkey (all years); and Canada (1956). Data refer to production of gas-diesel oil, except in the US and Canada (see individual country footnotes). The 1938 data for all Free World countries include both gas-diesel oil and fuel oil.

^b Including production of both diesel fuel and distillate fuel oil. Production of diesel fuel for years for which data are available is as follows: 1938, 2,842,000 tons; 1950, 14,033,000 tons; 1954, 20,541,000 tons; and 1955, 22,676,000 tons.

^c No production in North Korea or North Vietnam. Including production of diesel fuel from indigenous and imported natural crude oil and from synthetic sources.

^d Preliminary.

^e Including gas-diesel oil and fuel oil.

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FUELS AND POWER

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Table 23
 PRODUCTION OF LUBRICATING OILS, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	5,300	9,060	9,480	10,100	^b 10,900	<i>n a</i>
US.....	4,410	7,400	7,620	7,990	^b 8,470	<i>n a</i>
Sino-Soviet Bloc ^a	<i>n a</i>	2,100	3,010	3,500	4,290	5,310
USSR.....	<i>n a</i>	1,700	2,300	2,700	3,400	4,300
Communist China.....	<i>Negl.</i>	5	27	32	39	43
European Satellites.....	<i>n a</i>	400	681	771	852	^b 966
Albania.....	0	<i>Negl.</i>	1	1	2	^b 6
Bulgaria.....	0	0	0	10	10	^b 10
Czechoslovakia.....	<i>n a</i>	70	90	100	120	^b 130
East Germany.....	<i>n a</i>	100	120	150	200	^b 200
Hungary.....	14	10	60	70	60	^b 70
Poland.....	<i>n a</i>	70	130	140	150	^b 150
Rumania.....	65	150	280	300	310	^b 400

NATO COUNTRIES

	1955	1956 ^b		1955	1956 ^b		1955	1956 ^b
Belgium.....	16.9	24.1	France.....	483	583	UK.....	704	789
Canada.....	292	313	Italy ^d	148	168	West Germany....	363	387
Denmark.....	3.1	<i>n a</i>	Netherlands.....	68	142			

OTHER COUNTRIES

Japan.....	330	403	Venezuela.....	143	169	Yugoslavia.....	35.1	31.6
Netherlands Antilles ^e	646	700						

^a Excluding Greece, Iceland, Luxembourg, Norway, Portugal, and Turkey. The 1938 total includes 1939 data for Denmark and 1937 data for all Germany and excludes Belgium for which data were not available. The 1956 total excludes Denmark. Data refer to lubricating oils made at refineries and in the lubricating oil industry. Solid lubricants are excluded.

^b Preliminary.

^c No production in North Korea or North Vietnam. Including production of lubricating oils from indigenous and imported natural crude oil and from synthetic sources.

^d Production at refineries only.

^e Exports only.

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FUELS AND POWER

Table 24
PRODUCTION OF RESIDUALS AND OTHERS, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	50,200	84,600	111,000	113,000	^b 120,000	<i>n a</i>
US.....	44,500	64,200	62,900	63,500	^b 64,400	<i>n a</i>
Sino-Soviet Bloc ^c	<i>n a</i>	16,000	24,600	28,700	31,700	35,100
USSR.....	<i>n a</i>	13,800	19,700	22,900	25,800	28,900
Communist China.....	80	100	502	635	699	782
European Satellites.....	<i>n a</i>	2,140	4,440	5,200	5,210	^b 5,450
Albania.....	0	20	38	50	68	^b 147
Bulgaria.....	8	0	0	10	25	^b 35
Czechoslovakia.....	<i>n a</i>	100	75	100	110	^b 140
East Germany.....	<i>n a</i>	320	460	400	400	^b 400
Hungary.....	3	120	550	650	560	^b 590
Poland.....	<i>n a</i>	50	190	245	240	^b 240
Rumania.....	2,380	1,530	3,120	3,740	3,810	^b 3,900

NATO COUNTRIES

	1955	1956 ^b		1955	1956 ^b		1955	1956 ^b
Belgium.....	1,720	1,960	Italy ^e	7,770	8,510	Turkey.....	52.2	166
Canada.....	6,030	7,300	Netherlands ^{d e}	7,970	9,350	UK ^f	13,000	12,700
Denmark ^d	7.9	<i>n a</i>	Portugal.....	326	334	West Germany.....	1,920	2,360
France.....	11,200	12,400						

OTHER COUNTRIES

Argentina.....	3,720	3,560	Egypt.....	1,560	1,590	Netherlands Antilles ^e ...	23,200	25,200
Australia.....	2,180	3,090	Indonesia.....	3,680	3,860	Saudi Arabia.....	5,350	5,350
Austria.....	1,030	1,080	Japan.....	3,270	4,960	Venezuela.....	15,800	19,100
Bahrein.....	4,050	4,510	Mexico.....	7,220	6,700	Yugoslavia.....	275	311
World Total ^b ...	205,000	222,000						

^a Excluding Denmark (1938 and 1956), Greece, Iceland, Luxembourg, Norway, and Turkey (1938, 1950, and 1954). The 1938 total includes all Germany. Data refer to residual fuel oils only, excluding road oil and special products. Data for West Germany in 1938 and for the Netherlands and Denmark in all years include distillate fuel oils; data for Italy in all years include diesel oil.

^b Preliminary.

^c No production in North Korea or North Vietnam. Including production from indigenous and imported natural crude oil and from synthetic sources.

^d Including distillate fuel oils.

^e Excluding quantities used at refineries and lost.

^f Including fuel used at the refineries.

^g Exports only.

^h Excluding Albania, Communist China, India, and the USSR.

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MINERALS AND METALS

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Table 25
PRODUCTION OF IRON ORE, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	92,600	160,000	164,000	208,000	213,000	227,000
US.....	28,900	99,600	^b 79,400	^b 105,000	^b 99,400	^b 107,000
Sino-Soviet Bloc ^c	33,100	46,100	76,300	86,200	98,400	107,000
USSR.....	26,600	39,700	64,300	71,900	78,100	84,200
Communist China ^d	3,280	2,080	6,200	7,610	12,900	14,900
North Korea ^d	<i>n a</i>	745	2	135	680	1,060
North Vietnam.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
European Satellites.....	3,260	3,660	5,780	6,570	6,780	7,340
Bulgaria.....	17	49	118	113	236	270
Czechoslovakia.....	1,650	1,660	1,680	1,990	2,140	2,480
East Germany.....	300	401	1,470	1,660	1,760	1,540
Hungary.....	279	370	430	355	350	400
Poland.....	^e 872	790	1,570	1,860	1,640	2,000
Rumania.....	139	392	510	600	654	650

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	144	138	Luxembourg.....	7,600	7,850	Turkey.....	461	^b 421
Canada ^f	20,300	20,200	Norway ^g	1,550	1,700	UK.....	16,500	17,200
France.....	52,700	57,800	Portugal.....	234	283	West Germany....	12,200	13,100
Italy.....	1,670	1,600						

OTHER COUNTRIES ^a

Algeria.....	2,580	<i>n a</i>	Japan ⁱ	1,910	2,240	Venezuela.....	11,000	<i>n a</i>
Austria.....	3,250	3,490	Spain.....	4,400	<i>n a</i>	Yugoslavia.....	1,720	1,880
India.....	4,090	<i>n a</i>	Sweden.....	18,900	20,000			

^a Excluding Denmark, Greece (~~except 1938~~), Iceland, the Netherlands, Portugal (1938 and 1950), and Turkey (1938). Data refer to the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites. Metal content of ore in the NATO countries and other Free World countries is as follows: Austria, Luxembourg, the UK, and West Germany, 30 percent; Belgium and France, 35 percent; Yugoslavia, 45 percent; Italy, Portugal, Spain, and the US, 50 percent; Algeria, Canada, and Japan, 55 percent; Sweden, 60 percent; and India, Norway, Turkey, and Venezuela, 65 percent.

^b Excluding manganiferous ores containing 5 percent or more of manganese.

^c No production in Albania. Metal content of ore in the Sino-Soviet Bloc countries is as follows: USSR, commercial grade; East Germany, 26 to 28 percent; Hungary, 30 percent; Czechoslovakia, 34 percent; Poland, 35 percent; Rumania, 45 percent; and Bulgaria, Communist China, and North Korea, 50 percent.

^d The iron content of crude ore production varies from 33 to 58 percent; however, the figures given here are in terms of 50 percent.

^e 1937.

^f Shipments.

^g Including ferro-titanium.

^h 10 months.

ⁱ Including iron sand.

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MINERALS AND METALS

Table 26

PRODUCTION OF MANGANESE ORE,* 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	<i>n a</i>	175	313	397	430	<i>n a</i>
US ^c	<i>n a</i>	122	187	262	311	<i>n a</i>
Sino-Soviet Bloc ^d	2,510 ^e	3,780	5,440	<i>n a</i>	<i>n a</i>	<i>n a</i>
USSR.....	2,270	3,380	4,590	4,740	4,940	4,960
Communist China.....	23	70	168	196	400	469
European Satellites.....	210	337	677	<i>n a</i>	<i>n a</i>	<i>n a</i>
Bulgaria.....	1.89	7.5	33.1	62.6	76.8	<i>n a</i>
Czechoslovakia.....	105	170	300	<i>n a</i>	<i>n a</i>	168
Hungary.....	43	66.6	71	110	110	110
Rumania.....	60	93	273	390	235	265

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
France.....	1.30	1.25	Italy.....	56.6	46.0	Turkey.....	50.1	60.8
Greece.....	24.6	7.89	Portugal.....	3.98	3.18			

OTHER COUNTRIES

Belgian Congo.....	462	330	French Morocco.....	411	426	Japan.....	202	285
Brazil.....	213	311	Ghana ^e	548	646	Mexico.....	116	203
Cuba ^e	172	254	India.....	1,600	1,710	Union of South Africa.....	589	697
Egypt ^f	216	200						
World Total.....	11,900	11,200						

* Metal content of ore of the various countries is as follows: the US, 50 to 60 percent; the USSR, 45 percent; Communist China, more than 35 percent; Bulgaria, Hungary, and Rumania, 30 percent; Czechoslovakia, less than 30 percent; other Free World countries, 30 to 50 percent.

^b Including Greece, Italy, Portugal, Turkey, and the US (all years); France (1954-56).

^c Shipments; excluding the quantities of ore containing 10 to 35 percent manganese.

^d No production in Albania, East Germany, or Poland.

^e Concentrates.

^f Ore containing 30 percent manganese and 10 percent iron

* Exports.

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MINERALS AND METALS

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Table 27

PRODUCTION OF PIG IRON, 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons								
	1938	1946	1950	1954	1955	1956	1957	1958 Estimate	1960 Plan
NATO *	53,500	61,300	98,900	102,000	128,000	132,000	136,000	<i>n a</i>	.....
US.....	19,500	42,000	60,200	53,800	^b 70,600	^b 70,500	^b 72,000	<i>n a</i>	.....
Sino-Soviet Bloc *	18,600	11,800	24,900	41,000	46,100	50,500	53,500	58,500	<i>n a</i>
USSR.....	14,700	9,900	19,200	30,000	33,300	35,800	37,000	39,100	53,000
Communist China.....	970	1.3	960	2,960	3,630	4,780	5,900	8,000	^d 12,000
North Korea *.....	<i>n a</i>	3.0	190	0	112	187	270	450	^f 700
European Satellites....	2,900	1,880	4,580	8,020	9,040	9,690	10,300	10,900	<i>n a</i>
Bulgaria.....	0	0	0	0	0	0	50	81	85
Czechoslovakia.....	1,320	960	1,950	2,790	2,980	3,280	3,560	3,770	4,780
East Germany.....	232	124	337	1,320	1,520	1,570	1,660	1,700	1,770
Hungary.....	335	<i>n a</i>	443	820	850	744	714	750	<i>n a</i>
Poland.....	880	726	1,530	2,660	3,110	3,510	3,680	3,870	<i>n a</i>
Rumania.....	133	65	320	432	575	586	680	750	1,150

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	5,760	5,590	Italy.....	2,000	2,200	Saar.....	3,040	3,170
Canada.....	3,460	3,580	Luxembourg....	3,310	3,370	Turkey.....	216	^a 184
Denmark.....	55.9	61.7	Netherlands....	662	701	UK ^b	13,400	14,500
France.....	11,500	12,100	Norway.....	446	557	West Germany.....	17,700	18,500

OTHER COUNTRIES

Australia.....	1,940	2,140	India.....	1,990	1,940	Sweden.....	1,410	1,440
Austria.....	1,740	1,960	Japan.....	6,280	7,140	Union of South Africa.	1,360	1,420
Brazil ⁱ	1,170	<i>n a</i>	Spain.....	944	<i>n a</i>	Yugoslavia.....	647	737

* Excluding Denmark (1938), Greece, Iceland, and Portugal. The 1938 total includes 1936 production in West Germany and 1939 production in Turkey. The 1957 total includes only 10 months' production in Turkey. Unless otherwise noted, data refer to the total production of pig iron and ferroalloys.

^b Excluding production of pig iron and ferroalloys in electric furnaces.

^c No production in Albania.

^d 1962 plan.

^e Excluding sponge iron.

^f 1961 plan.

^g 10 months.

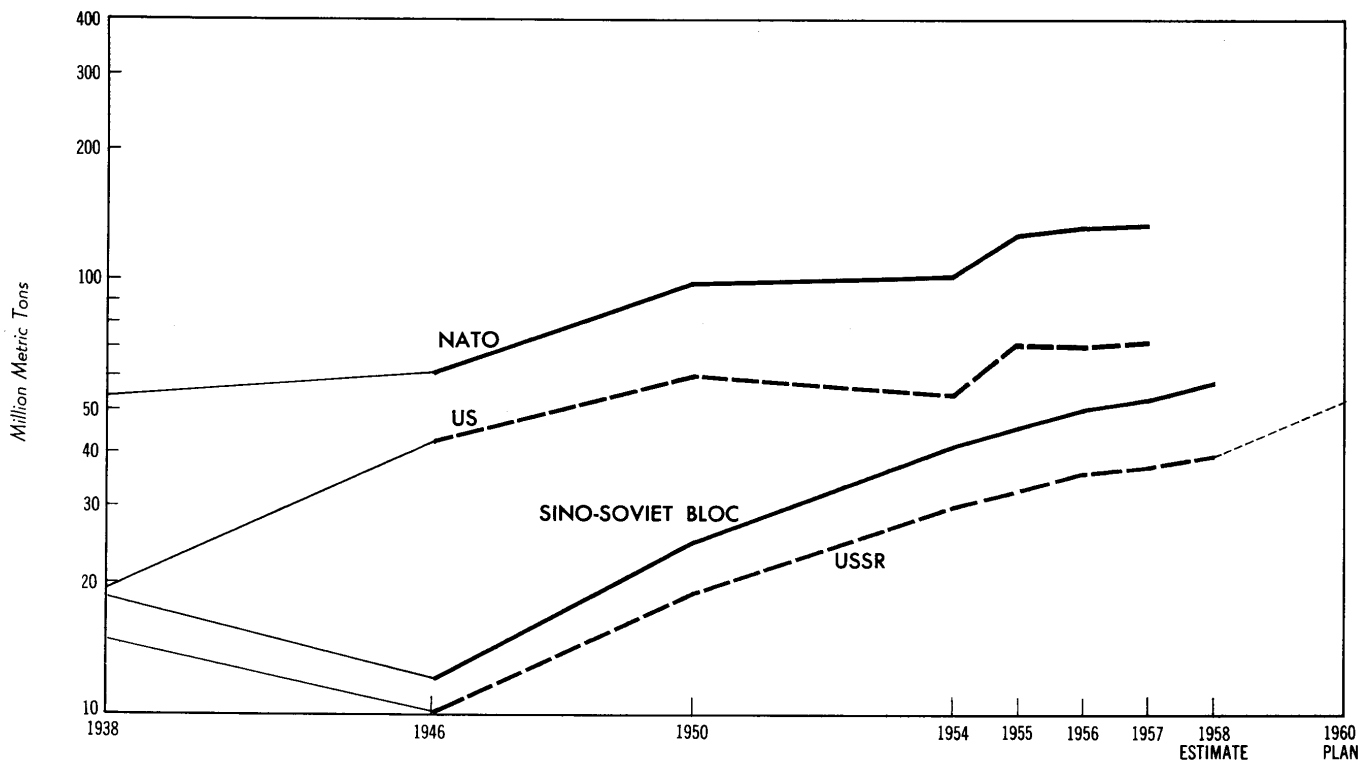
^h Excluding production of ferroalloys in electric furnaces.

ⁱ Excluding ferroalloys.

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Figure 5

**COMPARISON OF PRODUCTION OF PIG IRON
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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MINERALS AND METALS

Table 28

PRODUCTION OF CRUDE STEEL,* 1938, 1946, 1950, 1954-1958 AND 1960 PLAN

	Thousand Metric Tons								
Country	1938	1946	1950	1954	1955	1956	1957	1958 Estimate	1960 Plan
NATO ^b	73,500	87,800	140,000	146,000	184,000	188,000	189,000	<i>n a</i>	.....
US.....	28,800	60,400	87,800	80,100	106,000	105,000	102,000	<i>n a</i>	.....
Sino-Soviet Bloc ^c	24,600	17,200	36,600	56,800	62,500	68,700	72,700	78,000	<i>n a</i>
USSR.....	18,100	13,300	27,300	41,400	45,300	48,600	51,000	^d 53,600	68,300
Communist China...	485	8	605	2,220	2,850	4,460	5,240	^d 7,000	^e 12,000
North Korea.....	<i>n a</i>	5	144	54	135	189	277	400	^f 670
European Satellites..	5,990	3,850	8,540	13,200	14,300	15,400	16,200	17,000	<i>n a</i>
Bulgaria.....	21.0	26	26.0	109	121	176	201	250	250
Czechoslovakia....	1,870	1,670	3,120	4,270	4,470	4,900	5,170	5,590	6,540
East Germany.....	1,700	173	1,270	2,720	2,840	3,110	3,300	3,330	3,550
Hungary.....	647	597	1,050	1,490	1,630	1,420	1,370	1,350	<i>n a</i>
Poland.....	^g 1,470	1,220	2,520	3,950	4,430	5,010	5,300	5,600	7,000
Rumania.....	284	157	555	627	765	780	850	900	1,700

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	6,380	6,280	Italy.....	5,900	6,780	Saar.....	3,370	3,460
Canada.....	4,810	^b 4,250	Luxembourg..	3,460	3,490	Turkey.....	192	ⁱ 148
Denmark.....	240	262	Netherlands..	1,050	1,190	UK.....	21,000	22,100
France.....	13,400	14,100	Norway.....	287	346	West Germany.....	23,200	24,500

OTHER COUNTRIES

Australia ^j	2,350	2,900	Japan.....	11,100	12,600	Union of South Africa ^k ..	1,610	1,740
Austria.....	2,080	2,510	Spain ^j	1,240	<i>n a</i>	Yugoslavia.....	887	1,050
India.....	1,760	<i>n a</i>	Sweden.....	2,420	2,510			

* Unless otherwise noted, data refer to total production of ingots and steel for castings.

^b Excluding Greece, Iceland, and Portugal. The 1938 total includes 1940 production in Turkey. The 1946 total includes finished castings for West Germany. The 1957 total includes 11 months' total for Canada and 10 months' total for Turkey.

• No production in Albania.

^d Plan.

• 1962 plan.

^f 1961 plan.

^g 1937.

^h 11 months.

ⁱ 10 months.

^j Excluding castings.

^k Including finished castings.

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Table 29
 PRODUCTION OF CHROME,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	<i>n a</i>	207	328	376	495	<i>n a</i>
US.....	<i>n a</i>	0.152	56.9	55.7	59.8	<i>n a</i>
Sino-Soviet Bloc ^c	87.4	407	402	436	<i>n a</i>	<i>n a</i>
USSR.....	86.0	377	328	334	340	370
Communist China.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
European Satellites.....	1.4	30.0	73.3	102	<i>n a</i>	<i>n a</i>
Albania.....	^d 0.9	23.4	43.6	54.9	59.8	75.6
Bulgaria.....	0.5	3.0	3.0	3.0	3.0	3.0
Rumania.....	<i>n a</i>	3.6	26.7	44.1	<i>n a</i>	<i>n a</i>

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Greece.....	11.2	35.0	Turkey.....	309	400			

OTHER COUNTRIES

India.....	44.7	25.7	Pakistan.....	13.6	8.64	Southern Rhodesia...	195	195
Japan.....	9.35	13.9	Philippines.....	209	305	Union of South Africa..	244	284
New Caledonia...	24.7	25.9						

^a Data refer to estimated chromic oxide (Cr₂O₃) content of ores mined. The following percentages were used to reduce Bloc estimates of ores mined to their Cr₂O₃ content: USSR, a portion at 35 percent and the rest at 45 percent; Albania and Rumania, at 45 percent; and Bulgaria, at 30 percent.

^b Including Greece, Turkey, and the US.

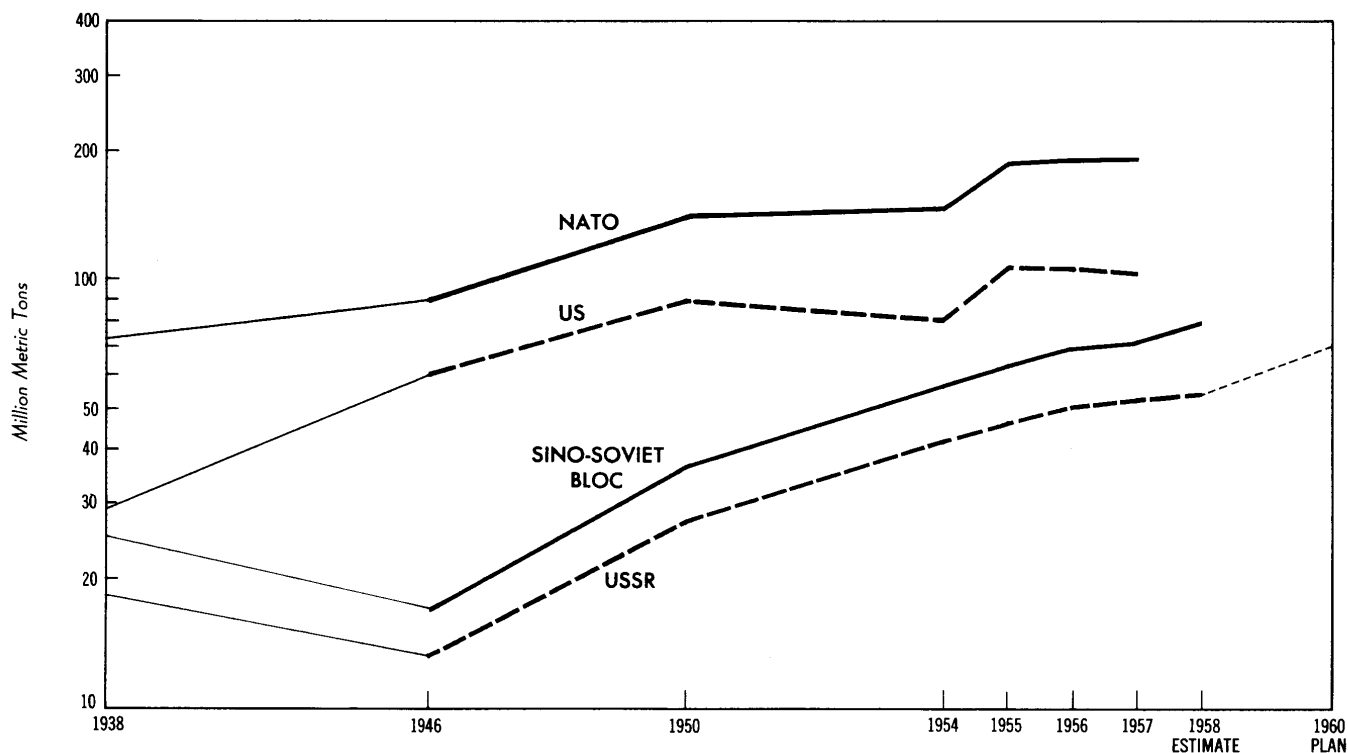
^c No production in Czechoslovakia, East Germany, Hungary, or Poland.

^d 1939.

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Figure 6

**COMPARISON OF PRODUCTION OF CRUDE STEEL
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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Table 30
 PRODUCTION OF TUNGSTEN,^a 1938, 1950, AND 1954-57

Country	Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	3,660	4,410	12,000	13,600	13,200	<i>n a</i>
US.....	1,600	2,270	7,530	9,060	8,440	<i>n a</i>
Sino-Soviet Bloc ^c	9,460	8,540	15,200	18,500	21,600	23,800
USSR.....	300	2,700	4,140	4,500	5,040	5,520
Communist China.....	9,160	5,260	10,300	12,900	15,400	16,500
North Korea.....	<i>n a</i>	576	696	990	990	1,650
European Satellites.....	0	0	92	100	150	140
East Germany.....	0	0	92	100	150	140

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada ^d	881	1,000	Italy.....	16	14	UK.....	44	37
France.....	803	671	Portugal.....	2,790	3,000			

OTHER COUNTRIES

Australia.....	1,510	1,610	Brazil.....	583	782	Spain.....	1,270	1,040
Belgian Congo.....	942	829	Burma.....	1,090	1,080	Thailand.....	745	767
Bolivia ^e	3,230	2,860	South Korea.....	2,040	2,430			

^a Unless otherwise noted, data refer to estimated tonnage of tungsten trioxide (WO₃).

^b Including Canada (except 1938), France, Italy, Norway (1938 only), Portugal, the UK, and the US.

^c No production in Albania, Bulgaria, Czechoslovakia, Hungary, Poland, or Rumania.

^d Shipments, chiefly scheelite.

^e Exports.

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Table 31
PRODUCTION OF NICKEL, 1938, 1950, AND 1954-57

Country	Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	98,300	113,000	149,000	162,000	168,000	<i>n a</i>
US.....	^b 380	^b 830	2,400	3,450	6,100	<i>n a</i>
Sino-Soviet Bloc ^c	3,510	33,800	44,000	46,100	49,200	54,100
USSR.....	3,000	33,400	43,400	46,000	49,000	54,000
Communist China.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
European Satellites.....	513	448	630	130	200	148
East Germany ^d	<i>n a</i>	92	130	130	200	148
Poland.....	513	356	500	0	0	0

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada ^e	159,000	162,000						

OTHER COUNTRIES

Cuba ^f	13,700	14,600	New Caledonia ^g	16,700	23,100	Union of South Africa ^h	2,360	2,520
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^a Including Canada, Greece (1938 only), Norway (1938 and 1950), and the US.

^b Data refer chiefly to byproduct in electrolytic refining of copper.

^c No production in North Vietnam, Albania, Bulgaria, Czechoslovakia, Hungary, or Rumania.

^d Production in 1950 from imported ores; in 1954-55 from ore stocks and scrap.

^e Production in all forms from Canadian ores.

^f Nickel content and small fraction of cobalt in oxide.

^g Nickel content of ore.

^h Nickel content of matte.

Table 32
PRODUCTION OF MOLYBDENUM, ^a 1938, 1950, AND 1954-57

Country	Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	15,600	13,000	27,000	28,600	26,600	<i>n a</i>
US.....	15,100	12,900	26,600	28,000	26,100	<i>n a</i>
Sino-Soviet Bloc ^c	<i>n a</i>	3,220	4,920	5,100	6,920	7,550
USSR.....	<i>n a</i>	3,040	4,240	4,400	5,300	5,800
Communist China.....	<i>n a</i>	125	575	600	1,500	1,600
North Korea.....	<i>n a</i>	50	100	100	125	150

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	378	395	Norway.....	173	166			

OTHER COUNTRIES

Chile.....	1,280	<i>n a</i>	Japan.....	198	238	Yugoslavia.....	430	<i>n a</i>
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^a Molybdenum content of molybdenum ores mined.

^b Including Canada, Italy (1938 only), Norway, and the US.

^c No production in the European Satellites.

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MINERALS AND METALS

Table 33
 PRODUCTION OF COBALT,^a 1938, 1950, AND 1954-57

Country	Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	209	632	1,930	2,690	3,370	<i>n a</i>
US.....	1	367	906	1,180	1,630	<i>n a</i>
Sino-Soviet Bloc ^c	<i>n a</i>	<i>n a</i>	1,140	1,220	1,300	1,430
USSR.....	<i>n a</i>	<i>n a</i>	1,140	1,220	1,300	1,430
Communist China.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
North Korea.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
European Satellites.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
Bulgaria.....	0	0	0	0	0	<i>Negl.</i>

NATO COUNTRIES

	1955	1956	1955	1956	1955	1956
Canada ^d	1,500	1,740				

OTHER COUNTRIES

Belgian Congo ^e ...	8,540	9,090	French Morocco.....	758	650	Northern Rhodesia ^e ...	123	<i>n a</i>
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^a Metal content of ore.

^b Including Canada and the US only.

^c Little or no production in countries of the Sino-Soviet Bloc which are not listed.

^d Metal, salts, and oxides recovered from smelter production plus cobalt contained in cobalt ore and residues exported.

^e Cobalt content of alloys.

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Table 34
 PRODUCTION OF BAUXITE, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	1,520	2,400	3,960	4,140	4,200	<i>n a</i>
US ^b	° 316	1,360	2,040	1,820	1,770	<i>n a</i>
Sino-Soviet Bloc ^d	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
Communist China ^e	63.2	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
North Vietnam.....	0.16	0	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	552	588	1,310	1,300	955	1,010
Hungary.....	540	578	1,260	1,241	893	946
Rumania.....	11.8	9.8	52.0	62	62	62

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
France.....	1,500	1,470	Italy.....	327	260	West Germany....	3.87	4.89
Greece.....	500	704						

OTHER COUNTRIES

British Guiana ^f	2,200	2,160	Indonesia.....	264	303	Surinam.....	3,120	3,480
French West Africa....	493	451	Jamaica.....	2,240	3,190	Yugoslavia.....	791	881
India.....	82.5	99.6	Malaya.....	226	264			

^a Including France, Greece, Italy, the US, and West Germany. The 1938 total includes all Germany.

^b Dried equivalent of crude ore.

^c Shipments.

^d No production in Albania, Bulgaria, Czechoslovakia, East Germany, or Poland.

^e Production in Communist China should be called "aluminous raw materials" rather than bauxite because some nonbauxite ores have been included. For example, production in China in 1938 was from shale, not bauxite. Non-bauxite sources of alumina are being developed in the Sino-Soviet Bloc and probably will become important.

^f Exports.

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Table 35

PRODUCTION OF PRIMARY ALUMINUM,^a 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons								
	1938	1946	1950	1954	1955	1956	1957	1958 Estimate	1960 Plan
NATO ^b	367	655	1,210	2,230	2,410	2,560	<i>n a</i>	<i>n a</i>	....
US.....	130	372	652	1,320	1,420	1,520	1,500	<i>n a</i>	....
Sino-Soviet Bloc ^c	124	74.5	173	455	554	597	703	<i>n a</i>	1,170
USSR.....	43.8	72.5	155	373	435	470	554	654	913
Communist China.....	<i>n a</i>	0	0	2.0	10	15	40	50	^d 70
European Satellites.....	80.0	2.0	17.8	80.1	109	112	109	<i>n a</i>	192
Czechoslovakia.....	0	0	0	15.9	24.7	21.2	30.0	40.0	56.0
East Germany.....	78.7	0	0.83	26.0	27.0	34.0	35.0	45.0	65.0
Hungary.....	1.3	2.0	17.0	33.0	37.0	35.0	25.0	<i>n a</i>	47.5
Poland.....	0	0	0	5.2	20.4	21.8	19.0	20.0	23.0

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Canada.....	558	<i>n a</i>	Italy.....	63.4	66.2	UK.....	28.1	35.9
France.....	150	160	Norway.....	95.2	95.6	West Germany.....	147	154

OTHER COUNTRIES

Japan..... 66.0 68.0

^a Unless otherwise noted, data refer to production of primary (virgin) aluminum from both domestic and imported ores.

^b Including Canada, France, Italy, Norway, the UK, and the US; and West Germany (except 1946).

^c No production in countries of the Sino-Soviet Bloc which are not listed.

^d Estimate.

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Table 36

PRODUCTION OF COPPER,^a 1938, 1946, 1950, 1954-58, AND 1960 PLAN

							Thousand Metric Tons		
Country	1938	1946	1950	1954	1955	1956	1957	1958 Estimate	1960 Plan
NATO ^b	1,480	1,360	2,050	2,140	2,390	2,570	2,500	<i>n a</i>	....
US.....	820	864	1,270	1,240	1,420	1,560	1,530	<i>n a</i>	....
Sino-Soviet Bloc ^c	133	157	299	416	464	493	541	<i>n a</i>	<i>n a</i>
USSR.....	103	143	247	337	377	400	444	492	604
Communist China.....	0.457	0.947	4.0	12.6	12.9	13.2	13.6	17.7	^d 30
North Korea ^e	<i>n a</i>	1.1	3.9	1.4	2.7	3.6	4.0	<i>n a</i>	<i>n a</i>
European Satellites.....	29.5	12.2	44.6	65.2	71.1	76.4	79.9	<i>n a</i>	<i>n a</i>
Albania.....	0	<i>n a</i>	0.9	1.75	2.50	2.62	2.75	2.88	3.12
Bulgaria ^f	<i>Negl.</i>	<i>n a</i>	1.90	6.0	6.3	5.3	6.4	<i>n a</i>	<i>n a</i>
Czechoslovakia.....	<i>n a</i>	<i>n a</i>	1.00	4.5	4.7	5.2	5.8	6.1	7.0
East Germany.....	29.5	12.0	27.8	28.5	33.3	32.7	32.8	34.0	39.1
Hungary.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>n a</i>
Poland.....	0	0	10.5	17.0	15.7	20.3	20.3	20.2	20.1
Rumania.....	0	0.220	2.50	7.50	8.60	10.2	11.8	13.2	16.4

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium ^g	169	153	Italy.....	23.6	16.0	Turkey ^h	6.41	11.7
Canada.....	300	294	Netherlands.....	0.051	0.241	UK.....	221	207
Denmark.....	0.610	0.457	Norway.....	11.8	12.2	West Germany.....	254	253
France.....	20.0	19.2						

OTHER COUNTRIES

Belgian Congo ^h	126	122	Japan.....	126	142	Northern Rhodesia ^h ..	230	251
Chile ^h	240	222						
World Total.....	4,080	4,080						

^a Refined copper produced from domestic and foreign ores and scrap.

^b Including Belgium, Canada, Denmark (1955-57), France, Italy, Netherlands (1956-57), Norway, Turkey (1954-57), the UK (except 1938), the US, and West Germany. Luxembourg is included in the total for Belgium.

^c No production in North Vietnam.

^d Estimate.

^e Metal content of ores mined.

^f Metal content of concentrates.

^g Including Luxembourg.

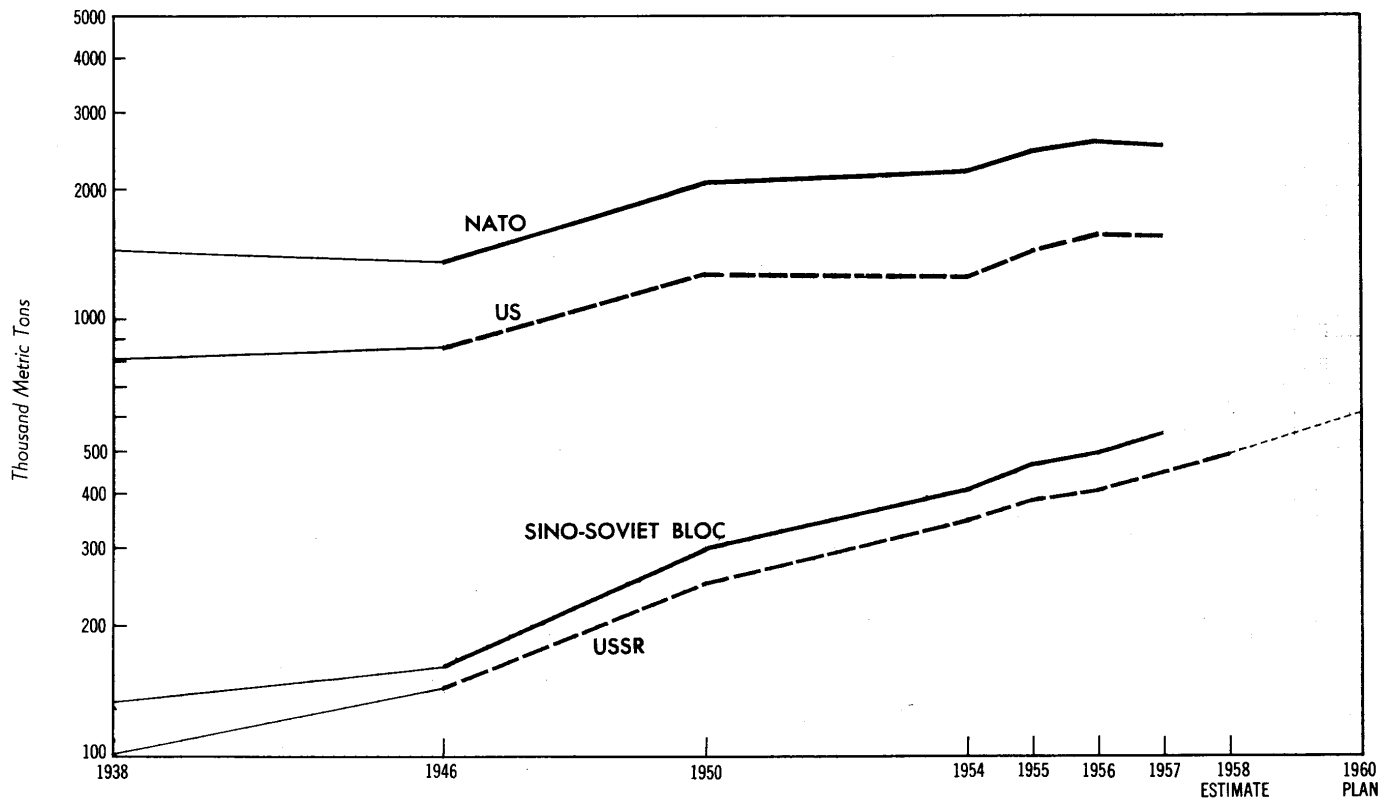
^h Smelter production of copper was considerably larger than the production of refined copper in these countries, as shown by the following figures on smelter production:

	1956	1957
Chile.....	459	451
Northern Rhodesia.....	395	427
Belgian Congo.....	249	242
Turkey.....	24.6	24.2

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Figure 7

**COMPARISON OF PRODUCTION OF REFINED COPPER
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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MINERALS AND METALS

Table 37
PRODUCTION OF LEAD,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	<i>n a</i>	1,090	1,130	1,110	1,220	1,220
US.....	<i>n a</i>	519	535	510	581	571
Sino-Soviet Bloc ^c	127	201	404	443	468	483
USSR.....	77.5	112	227	258	269	277
Communist China.....	3.72	4.0	22.2	22.5	22.8	23.1
North Korea ^d	<i>n a</i>	14.6	34.2	39.1	40.1	41.0
European Satellites.....	45.5	70.6	120	124	136	142
Bulgaria ^d	0	20.0	49.0	48.0	55.0	63.0
Czechoslovakia.....	5.0	7.6	9.7	10.0	10.7	11.0
East Germany.....	15.0	12.2	18.9	20.3	23.4	24.5
Poland.....	20.0	22.2	31.9	34.2	35.2	32.0
Rumania.....	5.5	8.6	10.6	11.1	11.6	11.6

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium ^a	102	99.3	Greece.....	2.69	2.84	Portugal.....	0.851	0.914
Canada.....	134	130	Italy.....	49.0	50.0	Turkey.....	1.83	1.83
Denmark.....	7.32	9.96	Netherlands.....	7.93	9.35	UK.....	96.0	87.1
France.....	85.6	92.9	Norway.....	1.22	1.22	West Germany.....	148	165

OTHER COUNTRIES

Australia.....	238	241	Peru.....	59.8	68.9	Tunisia.....	24.1	24.6
Austria.....	8.42	8.84	Spain.....	58.8	61.2	Yugoslavia.....	75.8	76.4
Morocco.....	28.1	31.2						

^a Production of refined metal from domestic and foreign ores and scrap.

^b Excluding Iceland; Denmark, Norway, and Turkey (1950).

^c No production in Albania.

^d Recoverable lead from concentrates.

^e Including Luxembourg.

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MINERALS AND METALS

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Table 38
PRODUCTION OF TIN METAL,* 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	67.5	93.8	96.4	89.2	85.1	<i>n a</i>
US.....	<i>n a</i>	32.7	27.4	22.7	17.9	<i>n a</i>
Sino-Soviet Bloc ^c	17.1	13.2	22.6	26.6	31.4	33.6
USSR.....	1	7	9	10	11.0	11.0
Communist China.....	16.0	6.0	13	16	19	21
North Korea.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
North Vietnam.....	<i>n a</i>	0	0	0	0.7	0.9
European Satellites.....	0.100	0.165	0.602	0.600	0.696	0.700
East Germany.....	0.100	0.165	0.602	0.600	0.696	0.700

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	9.87	9.89	Portugal.....	1.16	^d 0.989	West Germany.....	0.671	0.878
Netherlands.....	28.6	^d 27.7	UK.....	26.9	34.7			

OTHER COUNTRIES •

Australia.....	1.88	^d 1.73	Indonesia ^e	1.52	^d 0.559	Malaya.....	77.1	^d 67.0
Belgian Congo ^e	3.01	^d 2.46						

* Smelter.

^b Including Belgium, Canada (1950 only), Italy (1938 only), the Netherlands, Portugal, the UK, the US (except 1938), and West Germany (except 1954). The 1938 total includes all Germany.

^c No production in countries of the Sino-Soviet Bloc which are not listed.

^d 11 months.

^e Countries having considerably larger mine production than smelter production of tin (in terms of tin content) are as follows:

	1956	1957
Belgian Congo.....	14.8	<i>n a</i>
Bolivia (exports).....	27.3	<i>n a</i>
Indonesia.....	30.5	28.2
Thailand.....	12.7	13.7

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MINERALS AND METALS

Table 39
PRODUCTION OF ZINC,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	1,170	1,570	1,700	1,900	1,960	1,970
US.....	415	826	788	934	958	959
Sino-Soviet Bloc ^c	202	257	420	489	534	588
USSR.....	83.0	111	192	222	260	293
Communist China.....	2.53	2.70	6.80	7.9	8.3	11.0
North Korea ^d	<i>n a</i>	22.6	36.0	57.0	63.0	75.0
European Satellites.....	117	121	185	202	203	210
Bulgaria ^e	<i>n a</i>	<i>n a</i>	29.0	31.0	34.0	39.0
Czechoslovakia.....	8.88	4.10	4.70	5.70	6.50	6.50
East Germany ^f	0	<i>Negl.</i>	3.5	3.17	2.8	3.0
Poland.....	108	114	142	156	153	155
Rumania.....	0	3.0	6.0	6.0	6.0	6.0

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium ^g	231	236	Italy.....	76.5	78.3	UK.....	82.8	78.1
Canada.....	231	225	Netherlands.....	29.0	29.6	West Germany.....	191	185
France.....	110	128	Norway.....	48.2	47.9			

OTHER COUNTRIES

Australia.....	107	112	Japan.....	136	138	Mexico.....	56.4	56.6
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^a Production of refined metal from domestic and foreign ores and scrap.

^b Excluding Denmark, Greece, Iceland, Portugal, and Turkey.

^c No production in Albania or Hungary.

^d Metal content of ores.

^e Recoverable zinc in concentrates.

^f Except for about 150 to 200 tons, annual production consists of zinc produced from scrap.

^g Including Luxembourg.

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Table 40

PRODUCTION OF PRIMARY MAGNESIUM, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	7.56	19.6	81.9	79.2	88.6	<i>n a</i>
US.....	2.92	14.3	63.3	55.5	62.0	<i>n a</i>
Sino-Soviet Bloc ^b	14.2	6.10	18.6	21.7	25.7	30.0
USSR.....	1.00	6.10	18.6	21.7	25.7	30.0
Communist China.....	<i>n a</i>	0	0	0	<i>n a</i>	<i>n a</i>
North Korea ^c	0.031	0	0	0	0	0
European Satellites.....	13.2	0	0	0	0	0
East Germany.....	13.2	0	0	0	0	0

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	7.11	10.2	Italy.....	2.86	3.72	UK ^d	5.46	3.69
France.....	1.52	1.51	Norway.....	6.74	7.50			

^a Including Canada, France, Italy, Norway (except 1938 and 1950), the UK, and the US. Data refer to the production of primary magnesium in the US, but, except as noted, it is uncertain whether secondary magnesium is included in the data of other countries.

^b No production in countries of the Sino-Soviet Bloc which are not listed. Data for 1950 and 1954-57 are preliminary.

^c On fiscal year basis (1 April through 31 March).

^d Including some secondary magnesium.

Table 41

PRODUCTION OF MERCURY, 1938, 1950, AND 1954-57

Country	Thousand Flasks (34.5 kg.)					
	1938	1950	1954	1955	1956	1957
NATO ^a	85.3	57.8	72.9	73.0	86.0	^b 93.5
US.....	18.0	4.52	18.5	19.0	24.0	^b 33.5
Sino-Soviet Bloc ^c	14.0	18.8	34.8	40.0	54.0	<i>n a</i>
USSR ^d	9	17	26	26	27	27
Communist China.....	2.09	1.0	7.80	13.0	26.0	<i>n a</i>
European Satellites.....	2.9	0.75	0.95	0.95	0.95	0.95
Czechoslovakia.....	2.9	0.6	0.7	0.7	0.7	0.7
Rumania.....	<i>n a</i>	0.15	0.25	0.25	0.25	0.25

NATO COUNTRIES

	1956	1957 ^b		1956	1957 ^b		1956	1957 ^b
Italy.....	62.0	60.0						

OTHER COUNTRIES

Mexico.....	20.0	21.5	Spain.....	40.0	40.0	Yugoslavia.....	13.2	12.0
-------------	------	------	------------	------	------	-----------------	------	------

^a Including Italy and the US. Production in Turkey is negligible.

^b Preliminary.

^c No production in countries of the Sino-Soviet Bloc which are not listed.

^d Data for 1950 and 1954-57 are preliminary.

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MINERALS AND METALS

Table 42
 PRODUCTION OF SULFUR,* 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	4,660	7,410	8,120	8,540	9,340	<i>n a</i>
US ^c	2,650	5,680	6,020	6,280	7,030	^d 6,870
Sino-Soviet Bloc ^e	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
USSR.....	146	1,260	1,570	1,770	2,110	2,320
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	^f <i>n a</i>
North Korea.....	<i>n a</i>	68	28	36	48	<i>n a</i>
European Satellites.....	<i>n a</i>	223	601	650	751	780
Albania.....	<i>Negl.</i>	0.70	1.75	1.75	1.75	1.75
Bulgaria.....	0.4	15.2	55.2	65.6	76.0	86.0
Czechoslovakia.....	3.8	16.0	56.5	64.8	71.2	71.2
East Germany.....	<i>n a</i>	108	346	371	373	387
Hungary.....	1.6	4.8	7.2	7.2	7.2	7.6
Poland.....	<i>n a</i>	60.0	92.0	96.0	178	182
Rumania.....	7.1	18.4	43.2	44.0	44.0	44.0

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	361	270	Italy ^g	779	817	Turkey.....	8.2	9.5
France.....	128	128	Norway.....	369	370	West Germany.....	209	257
Greece.....	102	104	Portugal.....	301	362			

* Including sulfur from all sources.

^b Excluding Belgium, Denmark, Iceland, Luxembourg, the Netherlands (all years); and the UK (1954-56). All sulfur produced in the NATO countries other than the US and Italy (see country footnotes) is from pyrites.

^c Although most sulfur produced in the US is elemental sulfur, the following amounts were produced from pyrites: 1938, 222,000 tons; 1950, 399,000 tons; 1954, 412,000 tons; 1955, 406,000 tons; 1956, 439,000 tons; and 1957, 427,000 tons.

^d Preliminary.

^e All sulfur produced in the Sino-Soviet Bloc countries, with the exception of about 100,000 tons annually in the USSR and 60,000 to 100,000 tons annually in East Germany, is from nonelemental sulfur sources such as pyrites, gypsum, waste gases, and kieserite.

^f Minimum production was 244,000 tons; actual production probably was higher.

^g About 90,000 to 100,000 tons annually is elemental sulfur.

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Table 43

PRODUCTION OF GRAIN,^a 1938, 1950, 1954-57, AND 1960 PLAN

Country	Million Metric Tons						
	1938	1950	1954	1955	1956	1957	1960 Plan
US.....	114	135	136	142	^b 143	^b 140	.....
Sino-Soviet Bloc.....	273	260	271	308	320	317	<i>n a</i>
USSR ^c	88.7	85.0	87.0	103	115	100	180
Communist China ^c	^d 136	138	143	156	160	163	179
North Korea ^c	<i>n a</i>	<i>n a</i>	2.36	2.34	2.87	3.20	<i>n a</i>
North Vietnam ^c	^f 2.39	2.30	2.60	3.79	4.38	5.62	<i>n a</i>
European Satellites.....	45.0	35.0	36.2	43.1	37.6	45.3	<i>n a</i>
Albania.....	0.200	<u>0.207</u>	0.256	0.308	0.264	0.334	0.516
Bulgaria.....	^e 3.92	2.79	2.81	3.58	3.04	4.01	<i>n a</i>
Czechoslovakia ^h	ⁱ 5.64	4.72	4.27	5.10	5.42	4.96	5.88
East Germany ^h	ⁱ 6.22	5.35	4.32	4.95	4.39	4.33	<i>n a</i>
Hungary.....	^h 7.19	5.48	5.50	6.60	5.29	7.02	<i>n a</i>
Poland ^h	^j 13.8	11.3	11.0	12.7	12.1	13.5	14.2
Rumania.....	^j 7.98	5.15	8.06	9.95	7.14	11.1	15.7

^a Including wheat, rye, barley, oats, corn, and rice where produced.^b Preliminary.^c Including other miscellaneous grains.^d 1931-37 average.^e Corn and rice only.^f 1937-41 average.^g 1939.^h Excluding rice.ⁱ 1934-38 average.^j 1935-39 average.

Table 44

PRODUCTION OF BREADGRAINS,^a 1938, 1950, AND 1954-57

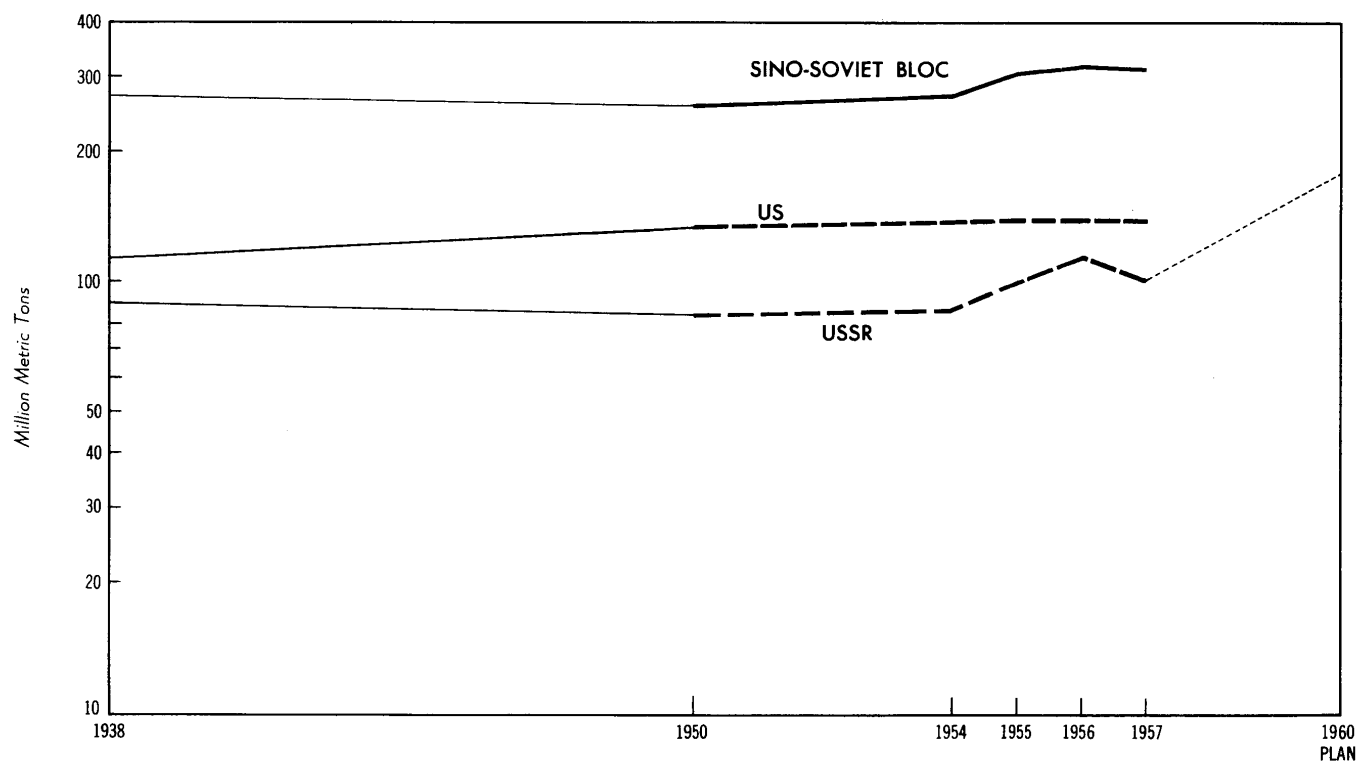
Country	Million Metric Tons					
	1938	1950	1954	1955	1956	1957
US.....	26.5	28.3	27.4	26.2	27.7	^b 25.9
Sino-Soviet Bloc.....	101	93.8	96.4	104	116	116
USSR.....	52.3	51.3	54.7	58.4	70.1	66.8
Communist China.....	^c 24.5	21.0	23.0	23.0	25.0	25.0
North Korea ^d	<i>n a</i>	<i>n a</i>	0.097	0.098	<i>n a</i>	<i>n a</i>
North Vietnam.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
European Satellites.....	24.5	21.5	18.6	22.3	20.7	23.8
Albania.....	0.0412	0.0650	0.0851	0.0877	0.0754	0.121
Bulgaria.....	^e 2.26	1.81	1.52	1.77	1.66	2.23
Czechoslovakia.....	^f 3.09	2.58	1.91	2.44	2.59	2.44
East Germany.....	^f 3.61	3.63	2.79	3.01	2.76	2.84
Hungary.....	3.49	2.85	2.14	2.68	2.34	2.45
Poland.....	^g 9.23	8.13	7.85	9.14	8.68	9.76
Rumania.....	^f 2.80	2.40	2.31	3.22	2.57	3.95

^a Including wheat and rye unless otherwise noted.^b Preliminary.^c 1931-37 average.^d Wheat only.^e 1939.^f 1934-38 average.^g 1935-39 average.

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Figure 8

**COMPARISON OF PRODUCTION OF GRAIN*
IN SELECTED AREAS, 1938, 1950, 1954-57, AND 1960 PLAN**



*Including wheat, rye, barley, oats, corn, and rice where produced.

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Table 45
PRODUCTION OF WHEAT, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons ^a					
	1938	1950	1954	1955	1956	1957
NATO ^b	^c 59,500	67,800	67,000	75,600	73,800	^d 72,600
US.....	25,000	27,700	26,800	25,400	27,100	^d 25,200
Sino-Soviet Bloc ^e	70,000	62,600	68,700	76,600	90,900	88,800
USSR.....	33,100	31,200	36,500	42,100	55,500	51,000
Communist China.....	^f 24,500	21,000	23,000	23,000	25,000	25,000
North Korea.....	<i>n a</i>	<i>n a</i>	97	98	<i>n a</i>	<i>n a</i>
European Satellites.....	12,400	10,400	9,240	11,500	10,400	12,800
Albania.....	37.9	62.0	81.3	83.7	72.0	117
Bulgaria.....	^g 2,000	1,580	1,400	1,620	1,540	2,110
Czechoslovakia.....	^h 1,510	1,430	1,110	1,470	1,540	1,530
East Germany.....	^h 1,550	1,210	855	1,070	887	990
Hungary.....	2,690	2,080	1,660	2,130	1,840	1,960
Poland.....	ⁱ 2,010	1,840	2,000	2,130	2,120	2,320
Rumania.....	^h 2,630	2,220	2,140	3,010	2,440	3,750

NATO COUNTRIES

	1956	1957 ^d		1956	1957 ^d		1956	1957 ^d
Belgium.....	597	746	Italy.....	8,680	8,450	Portugal.....	568	785
Canada.....	15,600	10,200	Luxembourg.....	31.0	<i>n a</i>	Turkey.....	6,400	7,600
Denmark.....	266	265	Netherlands.....	309	400	UK.....	2,890	2,680
France.....	6,530	10,800	Norway.....	55.8	29.9	West Germany....	3,470	3,830
Greece.....	1,240	1,600						

OTHER COUNTRIES

Argentina.....	7,100	6,120	Iran.....	2,250	2,800	Sweden.....	952	741
Australia.....	3,670	2,450	Japan.....	1,380	1,330	Syria.....	875	925
Egypt.....	1,550	1,470	Pakistan ^j	3,390	3,860	Yugoslavia.....	1,760	2,940
India ^k	8,710	9,210	Spain.....	4,220	4,350			
World Total ^k	213,000	206,000						

^a Conversion factor for Free World data: 1 bushel of wheat equals 60 pounds.

^b Excluding Iceland (all years) and Luxembourg (1957).

^c 1935-39 average, using the 1938 figure for the US.

^d Preliminary.

^e No production in North Vietnam.

^f 1931-37 average.

^g 1939.

^h 1934-38 average.

ⁱ 1935-39 average.

^j Including allowances for nonreporting areas.

^k Estimate, including allowances for missing data.

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Table 46
 PRODUCTION OF COARSE GRAINS,^a 1938, 1950, AND 1954-57

Country	Million Metric Tons					
	1938	1950	1954	1955	1956	1957
US.....	86.1	105	106	113	113	^b 112
Sino-Soviet Bloc.....	102	92.9	91.6	114	107	103
USSR.....	28.9	26.5	24.8	37.4	35.9	27.6
Communist China ^c	^d 52.0	53.0	49.0	55.0	53.0	53.0
North Korea ^e	<i>n a</i>	<i>Negl.</i>	0.387	0.444	0.754	1.12
North Vietnam ^f	^g 0.182	0.059	<i>n a</i>	0.187	0.248	0.400
European Satellites.....	20.4	13.4	17.4	20.7	16.7	21.3
Albania.....	0.158	0.142	0.166	0.216	0.184	0.208
Bulgaria.....	^h 1.64	0.959	1.24	1.76	1.32	1.73
Czechoslovakia ⁱ	^j 2.55	2.14	2.36	2.66	2.83	2.52
East Germany ^k	^j 2.61	1.71	1.53	1.94	1.63	1.49
Hungary.....	3.70	2.58	3.29	3.88	2.86	4.52
Poland ^k	^l 4.62	3.14	3.16	3.53	3.39	3.77
Rumania.....	^j 5.19	2.71	5.70	6.70	4.53	7.09

^a Including barley, oats, and corn unless otherwise noted.

^b Preliminary.

^c Including millet, proso millet, buckwheat, kaoliang, broad beans, and field peas.

^d 1931-37 average.

^e Excluding negligible production of oats.

^f Corn only.

^g 1937-41 average.

^h 1939.

ⁱ Including other grains.

^j 1934-38 average.

^k Barley and oats only.

^l 1935-39 average.

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Table 47
PRODUCTION OF RICE,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons ^b					
	1938	1950	1954	1955	1956	1957
NATO ^c	^d 2,010	2,770	4,250	3,830	^e 3,240	^e 3,120
US.....	1,070	1,750	2,910	2,540	^e 2,150	^e 1,940
Sino-Soviet Bloc.....	62,600	67,800	75,100	83,200	88,000	92,600
USSR.....	400	200	200	200	200	200
Communist China.....	^f 60,000	64,000	71,000	78,000	82,000	85,000
North Korea.....	<i>n a</i>	1,250	1,080	1,310	1,460	2,000
North Vietnam.....	^g 2,210	2,240	2,600	3,600	4,130	^h 5,220
European Satellites.....	24.7	110	169	129	191	158
Albania.....	0.6	1.0	5.4	4.3	4.3	4.5
Bulgaria.....	ⁱ 23.1	22.4	45.5	49.5	53.9	56.0
Hungary.....	0	50	68	40	96	60
Rumania.....	^j 1.0	36.0	49.7	34.8	36.5	37.7

NATO COUNTRIES

	1956 ^e	1957 ^e		1956 ^e	1957 ^e		1956 ^e	1947 ^e
France.....	98.4	120	Italy.....	649	680	Turkey.....	138	145
Greece.....	43.3	59.0	Portugal.....	164	175			

OTHER COUNTRIES

Brazil.....	3,630	<i>n a</i>	Indonesia.....	11,200	10,900	South Korea....	2,720	3,270
Burma.....	7,210	7,210	Japan.....	13,600	14,300	South Vietnam..	2,450	<i>n a</i>
Cambodia.....	1,480	907	Nepal.....	1,040	<i>n a</i>	Taiwan.....	2,390	<i>n a</i>
Egypt.....	1,570	1,660	Pakistan.....	13,800	14,100	Thailand.....	8,320	7,480
India.....	42,900	39,900	Philippines.....	3,360	3,410			

^a Rough, or paddy rice. Data apply to the crop year, beginning with the latter part of the year stated and running through the first part of the following year. The time of harvest varies according to the location of the particular country.

^b Conversion factor for Free World data: 1 bushel of rice equals 45 pounds.

^c Including France, Greece, Italy, Portugal, Turkey, and the US.

^d 1935-39 average, using the 1938 figure for the US.

^e Preliminary.

^f 1931-37 average.

^g 1937-41 average.

^h Plan.

ⁱ 1939.

^j 1934-38 average.

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Table 48

PRODUCTION OF COTTON,^a 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons ^b								1960 Plan
	1938	1946	1950	1954	1955	1956	1957	1958 Esti- mate	
NATO ^c	^d 2,940	^e 2,710	2,300	3,170	3,410	^f 3,100	^f 2,890	<i>n a</i>	.....
US.....	^d 2,860	^e 2,640	2,150	2,980	3,210	^f 2,900	^f 2,700	<i>n a</i>	.....
Sino-Soviet Bloc ^g	1,570	604	2,010	2,550	2,920	2,990	3,210	<i>n a</i>	<i>n a</i>
USSR.....	910	580	1,210	1,430	1,350	1,470	1,480	<i>n a</i>	2,100
Communist China.....	^h 658	<i>n a</i>	710	1,060	1,520	1,440	1,640	1,750	1,820
North Korea.....	<i>n a</i>	15	56	<i>n a</i>	<i>n a</i>	30	34	42.5	ⁱ 64
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	6.30	^j 6.87	<i>n a</i>	<i>n a</i>
European Satellites.....	6.9	8.8	34.8	56.0	50.4	40.4	44.3	<i>n a</i>	<i>n a</i>
Albania.....	0.1	<i>n a</i>	2.5	4.3	4.0	4.0	6.3	<i>n a</i>	8.0
Bulgaria.....	^k 6.8	8.8	10.6	28.0	20.4	13.2	16.3	<i>n a</i>	<i>n a</i>
Hungary.....	0	0	0.1	0.5	0.1	<i>Negl.</i>	0	0	<i>n a</i>
Rumania.....	<i>n a</i>	<i>n a</i>	21.6	23.3	25.9	23.2	21.7	<i>n a</i>	<i>n a</i>

NATO COUNTRIES

	1956 ^f	1957 ^f		1956 ^f	1957 ^f		1956 ^f	1957 ^f
Greece.....	50.9	57.9	Italy.....	8.06	8.06	Turkey.....	146	125

OTHER COUNTRIES

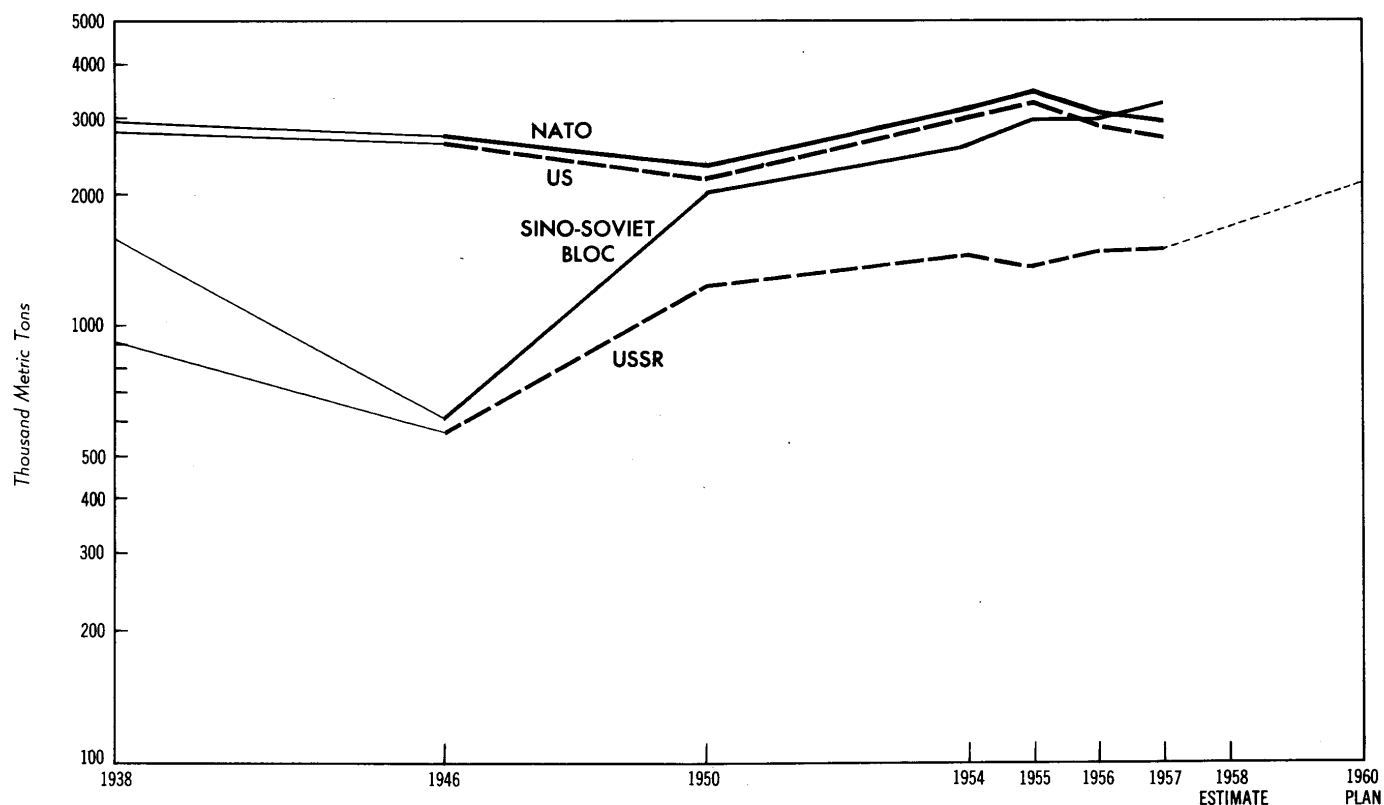
Argentina.....	105	<i>n a</i>	India.....	884	936	Sudan.....	134	<i>n a</i>
Brazil.....	288	<i>n a</i>	Mexico.....	390	438	Syria.....	92.8	100
Egypt.....	325	373	Pakistan.....	305	305			

^a Ginned cotton.^b Conversion factor for Free World data: 1 bale of cotton equals 480 pounds (net weight).^c Including Greece, Italy, Turkey, and the US. The year stated refers to the crop year beginning 1 August.^d 1935-39 average.^e 1945-49 average.^f Preliminary.^g No production in countries of the Sino-Soviet Bloc which are not listed.^h 1931-37 average.ⁱ 1961.^j Plan.^k 1939.

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Figure 9

**COMPARISON OF PRODUCTION OF GINNED COTTON
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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Table 49

PRODUCTION OF WOOL,^a 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons							1958 Esti- mate	1960 Plan
	1938	1946	1950	1954	1955	1956	1957		
NATO ^b	354	275	249	303	295	296	^c 296	<i>n a</i>	....
US.....	198	155	112	141	138	136	^c 134	<i>n a</i>	....
Sino-Soviet Bloc.....	250	211	259	323	353	359	385	<i>n a</i>	<i>n a</i>
USSR.....	^d 161	145	180	230	256	261	286	<i>n a</i>	465
Communist China ^e	^f 40.8	34.0	34.0	35.4	36.1	36.8	37.5	38.2	39.8
European Satellites.....	47.8	31.9	45.2	57.8	61.1	61.0	61.2	<i>n a</i>	<i>n a</i>
Albania.....	2.0	2.2	2.2	2.5	2.6	2.6	2.6	<i>n a</i>	<i>n a</i>
Bulgaria.....	^g 14.1	10.6	13.8	14.3	14.4	15.0	14.2	14.9	<i>n a</i>
Czechoslovakia.....	1.1	0.6	1.4	2.9	2.9	2.9	2.9	2.8	4.0
East Germany.....	6.2	3.0	2.9	4.5	5.0	5.2	5.5	<i>n a</i>	<i>n a</i>
Hungary.....	6.2	0.9	4.4	5.5	5.7	6.0	7.0	6.0	8.8
Poland.....	3.1	1.1	3.7	8.9	9.8	9.8	9.3	<i>n a</i>	11.9
Rumania.....	15.1	13.5	16.8	19.2	20.7	19.5	19.7	<i>n a</i>	34.0

NATO COUNTRIES

	1956	1957 ^c		1956	1957 ^c		1956	1957 ^c
Canada.....	3.58	3.49	Netherlands.....	1.59	1.81	Turkey.....	38.6	39.0
France.....	25.4	27.2	Norway.....	3.63	3.63	UK.....	47.4	47.6
Greece.....	10.7	10.8	Portugal.....	10.4	10.4	West Germany.....	4.90	4.54
Italy.....	14.0	13.6						

OTHER COUNTRIES

Argentina.....	190	200	New Zealand.....	221	222	Uruguay.....	79.0	80.0
Australia.....	710	727	Spain.....	38.0	37.0	Yugoslavia.....	14.9	14.9
India.....	32.7	33.6	Union of South Africa ^b	137	141			
World Total ^h	2,270	2,310						

^a Grease basis.^b Excluding Belgium, Denmark, Iceland, and Luxembourg.^c Preliminary.^d 1940.^e Excluding Tibet, Inner Mongolia, Sikang, and Sinkiang.^f 1931-37 average.^g 1939.^h Including the Union of South Africa, Union Protectorate, and Southwest Africa. Production of karakul wool is excluded.ⁱ Estimate.

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Table 50

PRODUCTION OF VEGETABLE OILS IN THE SINO-SOVIET BLOC,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
Sino-Soviet Bloc.....	782	1,950	2,840	2,630	2,940	3,150
USSR ^b	643	819	1,280	1,170	1,520	1,660
Communist China ^c	<i>n a</i>	847	1,260	1,140	1,180	1,220
North Vietnam ^d	^e 2.24	2.30	^f 2.34	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	136	283	297	316	244	267
Albania.....	2.7	2.7	4.4	3.4	4.0	4.3
Bulgaria.....	47.0	41.2	55.6	56.4	39.9	45.6
Czechoslovakia.....	11.0	13.0	12.1	12.0	12.1	^g 11.8
East Germany.....	14.0	57.2	49.3	72.2	60.1	62.5
Hungary.....	12.0	54.5	59.4	50.7	39.9	42.1
Poland.....	20.0	54.1	50.1	54.5	31.4	38.5
Rumania.....	29.6	60.0	66.0	66.8	56.8	62.4

^a Production of edible vegetable oils from indigenously produced raw materials.

^b Total industrial production of edible and inedible vegetable oils.

^c Industrial and handicraft production only.

^d Including peanut, cotton seed, sesame, and castor oils.

^e 1937-41 average.

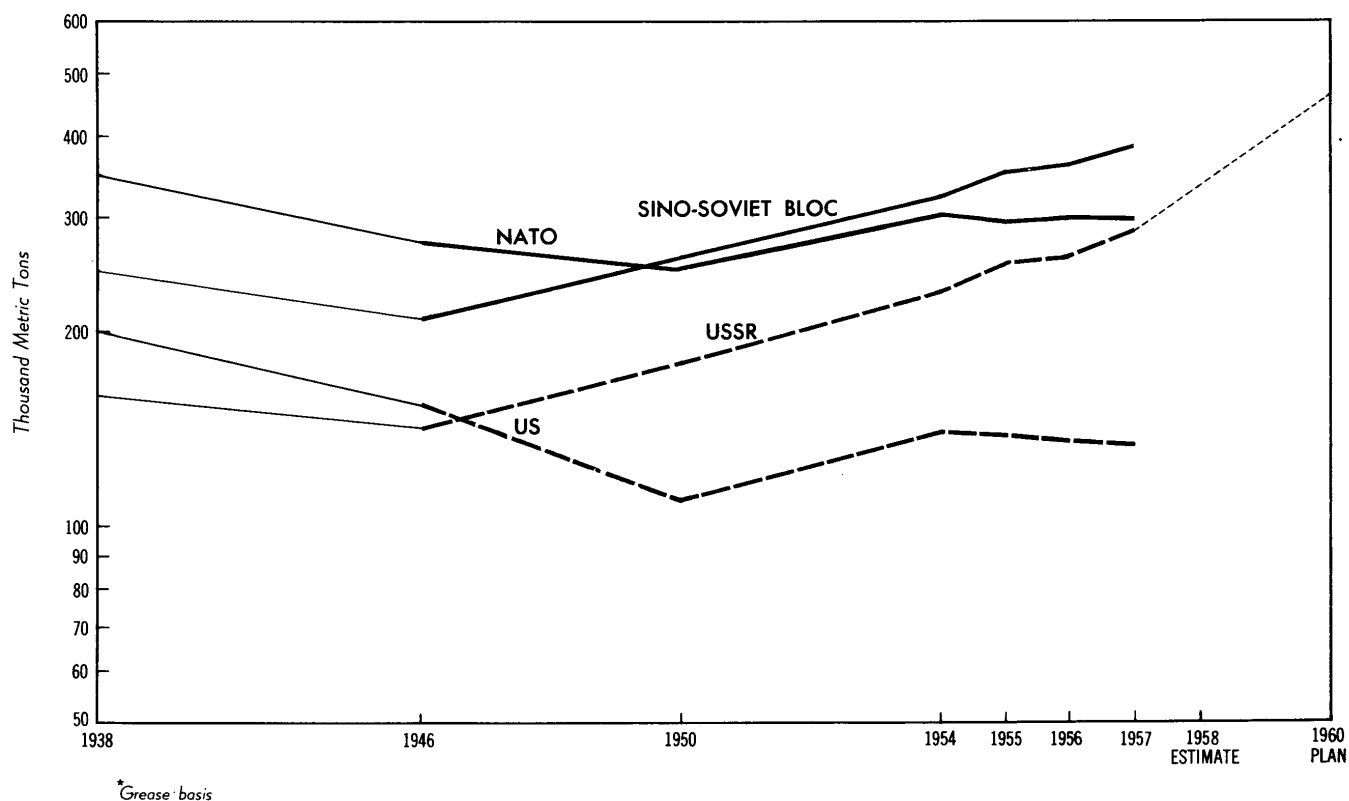
^f 1953.

^g Extracted from rape and mustard seed.

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Figure 10

COMPARISON OF PRODUCTION OF WOOL*
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN



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Table 51
NUMBER OF CATTLE,^a 1938, 1950, AND 1954-57

Country	Million Head					
	1938	1950	1954	1955	1956	1957
NATO ^b	^c 139	152	175	177	^d 178	^d 177
US.....	^e 66.7	78.0	95.7	96.6	^d 96.8	^d 94.5
Sino-Soviet Bloc.....	125	124	144	147	153	156
USSR.....	59.7	58.1	55.8	56.7	58.8	61.4
Communist China ^e	^f 38.8	41.0	63.6	66.0	66.8	67.0
North Korea.....	<i>n a</i>	0.972	0.513	<i>n a</i>	0.483	0.552
North Vietnam.....	1.25	0.208	<i>n a</i>	<i>n a</i>	2.00	^g 2.14
European Satellites.....	25.7	23.4	24.4	24.5	25.2	24.8
Albania ^e	0.413	0.416	0.424	0.433	0.436	0.436
Bulgaria.....	1.51	1.68	1.59	1.61	1.60	1.53
Czechoslovakia.....	4.71	4.21	4.08	4.04	4.11	4.13
East Germany.....	3.65	3.31	3.80	3.79	3.76	3.72
Hungary.....	1.88	2.22	2.08	2.13	2.17	1.97
Poland.....	9.92	7.20	7.69	7.91	8.35	8.26
Rumania.....	3.65	4.38	4.77	4.63	4.80	4.70

NATO COUNTRIES

	1956 ^d	1957 ^d		1956 ^d	1957 ^d		1956 ^d	1957 ^d
Belgium.....	2.24	2.30	Greece ^e	1.03	1.06	Turkey ^e	12.0	12.6
Canada.....	9.66	10.4	Italy.....	9.30	^g 8.48	UK.....	10.9	10.7
Denmark.....	3.08	3.11	Netherlands.....	2.95	2.78	West Germany....	11.6	11.8
France.....	17.6	17.8	Norway.....	1.11	1.11			

OTHER COUNTRIES

Argentina.....	45.4	44.2	Brazil.....	64.0	65.8	India ^e	204	<i>n a</i>
Australia.....	16.5	17.3						
World Total ^b	928	962						

^a Data refer to the period from October of the preceding year to September of the year stated.

^b Excluding Iceland, Luxembourg, and Portugal.

^c 1936-40 average.

^d Preliminary.

^e Including buffalo.

^f 1931-37 average.

^g Plan.

^h Estimate.

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Table 52
NUMBER OF HOGS,^a 1938, 1950, AND 1954-57

Country	Million Head					
	1938	1950	1954	1955	1956	1957
NATO ^b	^c 87.0	^d 95.4	89.1	97.3	^e 98.3	^e 95.2
US.....	^c 48.4	58.9	45.1	50.5	^e 55.2	^e 52.2
Sino-Soviet Bloc.....	132	114	168	155	157	194
USSR.....	32.1	22.2	33.3	30.7	34.0	40.8
Communist China.....	^f 71.9	65.0	102	87.9	84.0	114
North Korea.....	<i>n a</i>	0.926	0.630	0.697	0.853	1.62
North Vietnam.....	^g 2.1	0.143	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	25.6	25.6	31.9	35.6	38.4	37.7
Albania.....	0.015	0.030	0.065	0.086	0.082	0.096
Bulgaria.....	^h 0.752	1.04	1.44	1.32	1.41	1.47
Czechoslovakia.....	3.54	4.22	4.17	4.77	5.28	5.37
East Germany.....	5.71	3.31	8.21	8.37	9.03	8.33
Hungary ^h	3.11	5.54	4.45	5.82	6.06	5.00
Poland ⁱ	9.68	9.35	9.79	10.9	11.6	12.3
Rumania.....	2.76	2.11	3.76	4.37	4.95	5.16

NATO COUNTRIES

	1956 ^e	1957 ^e		1956 ^e	1957 ^e		1956 ^e	1957 ^e
Belgium.....	1.44	1.37	France.....	7.73	7.73	Norway ⁱ	0.507	<i>n a</i>
Canada.....	5.98	5.55	Greece.....	0.621	0.640	UK ⁱ	5.52	5.99
Denmark.....	4.33	4.78	Netherlands.....	2.45	2.56	West Germany...	14.6	14.4

^a Unless otherwise noted, data refer to inventory at the beginning of the calendar year (October of the preceding year through January of the year stated).

^b Excluding Iceland, Portugal, and Turkey; Italy and Luxembourg (1956-57); and Norway (1957).

^c 1936-40 average.

^d Including some official statistics which may underestimate the actual inventory.

^e Preliminary.

^f 1931-37 average.

^g September 1939 census.

^h March or spring census.

ⁱ June census.

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AGRICULTURE

Table 53
NUMBER OF SHEEP,^a 1938, 1950 AND 1954-57

Country	Million Head					
	1938	1950	1954	1955	1956	1957
US ^b	45.0	26.2	27.1	27.1	27.0	^c 26.4
Sino-Soviet Bloc.....	145	173	<i>n a</i>	226	238	255
USSR ^d	74.1	93.6	<i>n a</i>	113	116	120
Communist China ^d	^e 43.7	52.8	81.3	84.2	92.1	106
North Korea ^d	<i>n a</i>	0.013	0.061	0.064	^f 0.097	^g 0.110
North Vietnam.....	^h 0.008	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	27.5	26.4	29.3	29.2	29.7	29.4
Albania.....	1.57	1.64	1.66	1.73	1.75	1.76
Bulgaria.....	ⁱ 9.94	8.85	7.87	7.80	7.83	7.60
Czechoslovakia.....	0.534	0.531	1.02	1.02	1.00	0.956
East Germany.....	1.76	0.898	1.55	1.71	1.81	1.89
Hungary ^j	1.63	1.05	1.87	1.86	1.93	1.87
Poland ^k	1.94	2.20	4.17	4.24	4.22	4.04
Rumania.....	10.1	11.2	11.2	10.9	11.1	11.2

^a Unless otherwise noted, data refer to inventory at the beginning of the calendar year (October of the preceding year through January of the year stated).

^b Stock sheep only.

^c Preliminary.

^d Including goats.

^e 1931-37 average.

^f 1 October 1956 census.

^g 10 September 1957 census.

^h 1936-38 average.

ⁱ September 1939.

^j March or spring census.

^k June census.

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AGRICULTURE

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Table 54
PRODUCTION OF INDUSTRIAL WOOD,^a 1938, 1950, AND 1954-57

Country	Million Cubic Meters (Solid)					
	1938	1950	1954	1955	1956	1957
NATO ^b	279	353	381	415	414	<i>n a</i>
US.....	<i>n a</i>	<i>n a</i>	249	267	265	<i>n a</i>
Sino-Soviet Bloc.....	163	213	275	289	301	310
USSR.....	115	161	206	212	222	232
Communist China ^c	10.0	10.0	20.0	24.0	26.0	28.0
North Korea.....	<i>n a</i>	1.83	1.75	2.00	2.30	<i>n a</i>
North Vietnam.....	0.385	0.078	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	37.8	39.8	47.4	50.8	50.8	50.3
Albania.....	0.02	0.2	0.3	0.4	0.4	0.4
Bulgaria.....	0.70	2.00	2.8	3.1	2.7	3.0
Czechoslovakia.....	9.5	9.40	9.89	11.8	11.5	11.5
East Germany.....	10.0	9.49	8.70	8.26	7.65	7.00
Hungary.....	0.7	0.9	1.0	0.9	1.0	0.9
Poland ^d	10.2	11.3	14.8	16.4	17.1	17.1
Rumania.....	7.00	6.50	9.90	9.90	10.4	10.4

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	1.85	1.83	Italy ^e	3.79	4.93	Portugal.....	1.72	1.83
Canada.....	84.6	89.9	Luxembourg ^e	0.148	0.154	Turkey.....	1.06	1.21
Denmark ^e	1.26	<i>n a</i>	Netherlands.....	0.627	0.647	UK.....	2.82	2.72
France.....	19.2	18.3	Norway ^e	7.72	8.27	West Germany ^e	23.0	19.2
Greece.....	0.247	0.260						

OTHER COUNTRIES

Brazil.....	13.7	<i>n a</i>	Sweden ^e	35.1	36.2
World Total.....	864	881			

^a Industrial wood is that wood which is not destined to be burned as fuel. This category includes such primary wood products as sawlogs, pitprops, and pulpwood, and such finished wood products as sawn wood, plywood, veneers, and the like.

^b Excluding Iceland (all years) and Denmark (1956).

^c Excluding Tibet.

^d Excluding privately cut industrial wood.

^e Years 1954/55 and 1955/56.

^f Excluding fellings outside the forests, estimated at about 9 million cubic meters annually.

^g Excluding rural consumption estimated at about 760 thousand cubic meters in 1952/53.

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Table 55

FISH CATCH, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	7,950	8,690	10,100	10,000	^b 10,700	<i>n a</i>
US ^c	2,250	2,590	2,710	2,740	^b 2,940	<i>n a</i>
Sino-Soviet Bloc ^d	3,230	3,230	5,260	5,960	6,260	6,700
USSR ^e	1,540	1,760	2,500	2,740	2,850	2,760
Communist China.....	^f 1,480	911	2,290	2,520	2,640	2,950
North Korea.....	<i>n a</i>	440	236	317	365	^g 555
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	152	125	131
European Satellites.....	211	127	226	240	284	304
Albania.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	2.6	3.0	4.1
Bulgaria.....	^h 5.0	4.7	7.3	4.5	5.7	6.2
Czechoslovakia.....	<i>n a</i>	<i>n a</i>	6.1	6.3	6.5	6.5
East Germany.....	ⁱ 18	34	63	69	75	90
Hungary.....	ⁱ 7.0	4.5	8.0	9.5	10.9	11.6
Poland ^j	^k 150	66.2	100	107	122	126
Rumania.....	31.2	17.8	41.5	41.5	60.1	60.1

NATO COUNTRIES

	1955	1956 ^b		1955	1956 ^b		1955	1956 ^b
Belgium.....	80.0	69.1	Iceland.....	480	517	Portugal.....	425	470
Canada.....	954	1,080	Italy.....	218	219	Turkey.....	112	140
Denmark.....	425	463	Netherlands.....	320	298	UK.....	1,100	1,050
France.....	523	538	Norway.....	1,810	2,130	West Germany.....	777	771
Greece.....	60.0	65.0						

OTHER COUNTRIES

India.....	839	1,010	Spain.....	760	749	Union of South Africa	362	287
Japan.....	4,910	4,760						

^a Excluding Luxembourg. The 1938 total includes all Germany, and the 1950 total includes the 1951 figure for Turkey. Data refer to live weight; including seaweed, crustaceans, and mollusks but not aquatic mammals.

^b Preliminary.

^c Including Alaska.

^d Landed weight.

^e Including marine animals and whales.

^f Prewar average.

^g Catch as of 27 December 1957.

^h 1939.

ⁱ 1933-37 average.

^j Including salt water catch only.

^k 1934-38 average.

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PROCESSED FOODS

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Table 56

PRODUCTION OF MEAT,* 1938, 1946, 1950, 1954-58, AND 1960 PLAN

	Thousand Metric Tons								
Country	1938	1946	1950	1954	1955	1956	1957	1958 Esti- mate	1960 Plan
NATO ^b	14,900	^c 16,800	17,800	21,800	22,900	^d 23,400	<i>n a</i>	<i>n a</i>	.....
US.....	7,340	10,100	10,000	11,500	12,200	^d 12,700	<i>n a</i>	<i>n a</i>	.....
Sino-Soviet Bloc.....	7,070	3,350	5,510	13,300	13,000	13,000	15,000	<i>n a</i>	<i>n a</i>
USSR ^e	4,000	2,300	3,100	4,000	4,000	4,100	4,300	<i>n a</i>	^f 20,000– 21,000
Communist China..	<i>n a</i>	<i>n a</i>	<i>n a</i>	6,820	6,260	5,940	7,710	8,200	9,150
North Korea.....	<i>n a</i>	33.0	<i>n a</i>	^g 19.6	<i>n a</i>	10.0	<i>n a</i>	<i>n a</i>	^h 200
North Vietnam ⁱ	^j 122	<i>n a</i>	25.0	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	3,000	1,020	2,380	2,510	2,760	2,920	3,020	<i>n a</i>	<i>n a</i>
Albania.....	12.5	8.0	7.0	13.8	14.2	14.4	14.6	<i>n a</i>	<i>n a</i>
Bulgaria.....	^k 135	76.0	134	172	155	172	180	198	<i>n a</i>
Czechoslovakia....	^k 393	291	377	348	374	417	442	443	476
East Germany.....	845	185	428	533	592	594	625	<i>n a</i>	701
Hungary.....	^l 280	84	338	276	311	343	328	335	<i>n a</i>
Poland.....	927	219	858	807	894	1,000	1,030	<i>n a</i>	^m 2,110
Rumania.....	361	154	239	358	421	384	406	<i>n a</i>	664

NATO COUNTRIES

	1955	1956 ^d		1955	1956 ^d		1955	1956 ^d
Belgium.....	391	395	Greece.....	105	105	Portugal.....	169	166
Canada.....	1,060	1,120	Italy.....	830	921	Turkey.....	315	<i>n a</i>
Denmark.....	660	642	Netherlands.....	558	564	UK.....	1,600	1,680
France.....	2,470	2,540	Norway.....	123	118	West Germany.....	2,400	2,430

OTHER COUNTRIES

Argentina.....	2,450	2,890	Mexico.....	526	549	Union of South Africa..	440	484
Australia.....	1,250	1,190	New Zealand.....	620	653	Yugoslavia.....	481	505
Brazil.....	1,460	1,440						

* Trimmed carcass weight basis; including beef, veal, pork, mutton, lamb, goat, carabao, and horse meat where produced but excluding edible offal, lard, rabbit, and poultry meat.

^b Excluding Iceland and Luxembourg; Turkey (1950 and 1956).

^c 1946-50 average.

^d Preliminary.

^e Beef, veal, pork, mutton, lamb, and goat only. Estimates given include edible fats.

^f Khrushchev's announced goal for 1960-61; because of differences in definition of "meat," this figure is not comparable to the preceding series.

^g 1953.

^h 1961.

ⁱ Beef, veal, and pork only.

^j 1935-39 average.

^k 1939.

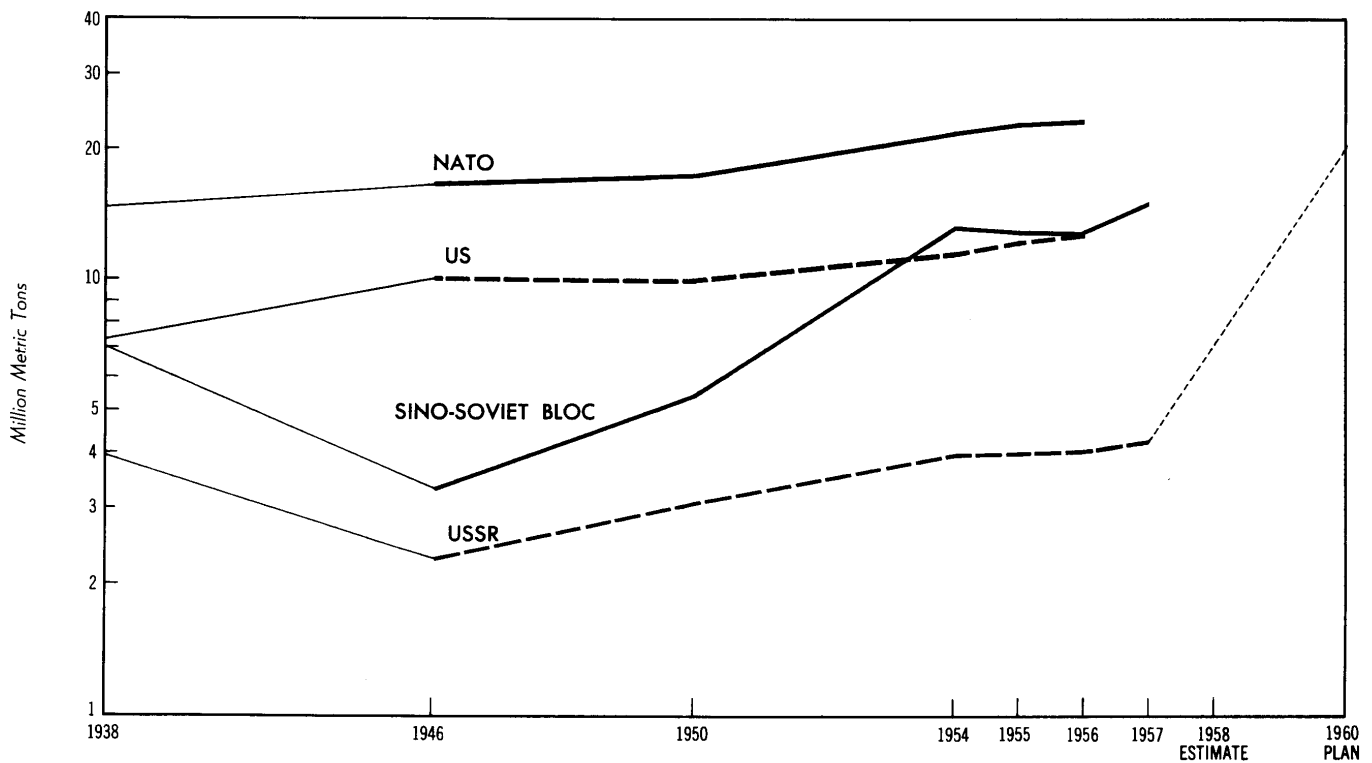
^l 1933-37 average.

^m Live weight basis.

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Figure 11

**COMPARISON OF PRODUCTION OF MEAT
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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PROCESSED FOODS

Table 57

PRODUCTION OF SUGAR,^a 1938, 1950, AND 1954-57

Thousand Metric Tons

Country	1938	1950	1954	1955	1956	1957
NATO ^b	^c 5,020	7,720	8,220	8,400	8,060	^d 8,600
US.....	^c 1,810	2,340	2,410	2,100	2,280	^d 2,560
Sino-Soviet Bloc ^e	5,610	5,680	6,420	7,160	7,820	8,830
USSR.....	2,520	2,520	2,610	3,420	4,350	4,490
Communist China.....	^f 400	376	597	726	807	844
North Vietnam ^g	^h 22.8	27.7	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	2,670	2,750	3,210	3,010	2,660	3,490
Albania.....	<i>n a</i>	0.7	6.7	7.7	9.0	9.9
Bulgaria.....	28.0	41.0	86.0	69.0	118	129
Czechoslovakia.....	725	779	790	732	659	876
East Germany.....	ⁱ 790	680	824	720	610	790
Hungary.....	123	199	271	276	241	334
Poland.....	^c 898	955	1,130	1,070	855	1,160
Rumania.....	105	95.9	107	143	166	190

NATO COUNTRIES

	1956	1957 ^d		1956	1957 ^d		1956	1957 ^d
Belgium.....	325	354	France.....	1,400	1,500	Turkey.....	308	336
Canada.....	119	127	Italy.....	997	871	UK.....	781	590
Denmark.....	345	390	Netherlands....	350	372	West Germany..	1,150	1,500

OTHER COUNTRIES ^j

Argentina.....	780	658	Hawaii.....	998	1,040	Philippines.....	1,050	1,090
Australia.....	1,230	1,270	India.....	2,310	2,450	Puerto Rico....	898	1,040
Brazil.....	2,380	2,710	Indonesia.....	786	848	Taiwan.....	866	871
Colombia.....	254	263	Mexico.....	1,080	1,170	Union of South		
Cuba.....	5,670	5,670	Pakistan.....	116	118	Africa.....	770	835
Egypt.....	300	304	Peru.....	712	762			
World Total (centrifugal) .	41,300	43,300						
Cane.....	25,000	26,200						
Beet.....	16,300	17,100						
World Total (noncentrifugal) .	6,040	6,140						
World Total (centrifugal and noncentrifugal) .	47,300	49,400						

^a Raw value, centrifugal sugar. Refined sugar is equal to approximately 90 percent of raw sugar by weight. Centrifugal sugar, as distinguished from noncentrifugal, includes cane and beet sugar produced by the centrifugal process, which is the principal kind moving in international trade. Both cane and beet sugar are included where produced.

^b Excluding Greece, Iceland, Luxembourg, Norway, and Portugal. Years shown are for crop years. Generally the harvest season begins in the fall months of the year shown or in the early months of the following year, except in the Southern Hemisphere, where the season begins in May or June of the year shown.

^c 1935-39 average.

^d Preliminary.

^e No production in North Korea.

^f 1937.

^g Centrifugal and noncentrifugal sugar.

^h 1937-41 average.

ⁱ 1934-38 average.

^j Some countries listed also produce a large amount of noncentrifugal sugar. Noncentrifugal sugar includes all types of sugar produced by other than the centrifugal process. The estimates include such kinds known as piloncillo, panelo, papelon, chancaca, rapadura, jaggery, gur, muscovado, panocha, and the like, used largely for consumption in the relatively few areas where produced. Production by a few of these countries follows:

Noncentrifugal Sugar

	1955	1956	1957		1955	1956	1957
Colombia.....	553	449	454	Indonesia.....	298	250	272
India.....	2,770	2,810	2,720	Pakistan.....	998	998	1,090
World Total.....	6,110	6,040	6,140				

PROCESSED FOODS

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Table 58
PRODUCTION OF MILK,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	^c 113,000	^d 124,000	135,000	135,000	137,000	^e 139,000
US.....	^c 47,600	53,300	54,500	55,800	57,000	^e 57,600
Sino-Soviet Bloc.....	52,200	48,500	54,400	60,100	65,800	71,600
USSR.....	34,000	31,200	33,700	38,100	43,400	48,200
North Korea.....	<i>n a</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
European Satellites.....	18,200	17,300	20,800	22,000	22,400	23,400
Albania.....	13.0	<i>n a</i>	<i>n a</i>	13.6	13.6	13.6
Bulgaria.....	^f 253	282	300	382	456	515
Czechoslovakia.....	^g 4,840	3,270	3,260	3,520	3,710	3,740
East Germany.....	<i>n a</i>	2,940	4,700	5,080	4,980	5,300
Hungary.....	1,570	1,440	1,450	1,520	1,520	1,480
Poland.....	^h 10,000	7,760	9,330	9,610	9,980	10,600
Rumania.....	1,500	1,590	1,700	1,830	1,710	1,710

NATO COUNTRIES

	1956	1957 ^e		1956	1957 ^e		1956	1957 ^e
Belgium.....	3,710	3,740	Greece.....	322	324	Norway.....	1,680	1,730
Canada.....	7,850	7,850	Italy.....	8,220	8,300	UK.....	11,700	12,200
Denmark.....	5,060	5,290	Luxembourg.....	177	179	West Germany....	17,000	16,900
France.....	18,500	19,300	Netherlands.....	5,820	5,870			

^a Whole milk from cows unless otherwise noted.

^b Excluding Iceland, Portugal, and Turkey.

^c 1934-38 average, except for the following: Canada (1935-39 average); Denmark, Greece, and Norway (1933-37 average); and West Germany (1935-38 average). In the cases of Denmark, Norway, and West Germany, years ending 30 June are used.

^d The 1947-50 average is used for Greece and the 1948-50 average for Luxembourg.

^e Preliminary.

^f 1939.

^g 1937.

^h Prewar boundaries.

Table 59

PRODUCTION OF ANIMAL FATS,^a IN THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
Sino-Soviet Bloc.....	1,090	800	1,620	1,560	1,540	1,830
USSR ^b	452	306	438	448	469	^c 500
Communist China.....	<i>n a</i>	<i>n a</i>	713	607	542	774
European Satellites.....	638	494	465	504	531	558
Albania.....	2.0	2.0	1.9	1.9	1.9	2.0
Bulgaria.....	^d 14.1	14.7	22.2	18.6	19.7	20.7
Czechoslovakia.....	^e 72	58	51	49	56.4	58.4
East Germany.....	142	51	96	101	102	107
Hungary.....	^c 138	58	52	60	60	59
Poland.....	222	274	196	216	242	255
Rumania.....	47.9	36	46.1	57.8	49.3	55.5

^a Slaughter fats from pork, beef, veal, and mutton.

^b Including goat tallow.

^c Preliminary.

^d 1939.

^e 1933-37 average.

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PROCESSED FOODS

Table 60

DAILY FOOD AVAILABILITY PER CAPITA, PREWAR AVERAGE AND 1953-57

Country	Prewar Average	1953/54	1954/55	Calories Per Day	
				1955/56	1956/57
NATO.....	2,100-3,420	2,520-3,280	2,520-3,370	2,450-3,300	2,550-3,360
US ^b	3,150	3,080	3,070	3,100	<i>n a</i>
Sino-Soviet Bloc.....	1,760-2,900	<i>n a</i>	<i>n a</i>	<i>n a</i>	1,770-3,300
USSR.....	2,900	<i>n a</i>	<i>n a</i>	<i>n a</i>	3,300
Communist China.....	2,180	<i>n a</i>	<i>n a</i>	1,980	2,050
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	2,040	<i>n a</i>
European Satellites.....	1,760-2,810	1,490-2,950	1,780-3,040	1,950-2,910	1,770-3,020
Albania.....	1,760	1,490	1,780	1,950	1,770
Bulgaria.....	2,420	2,340	2,510	2,540	2,330
Czechoslovakia.....	2,510	2,540	2,470	2,640	2,710
East Germany.....	2,810	2,500	2,510	2,510	2,560
Hungary.....	2,630	2,590	2,630	2,650	2,710
Poland.....	2,780	2,950	3,040	2,910	3,020
Rumania.....	2,610	2,240	2,390	2,540	2,070

NATO COUNTRIES

	1955/56	1956/57 ^a		1955/56	1956/57 ^a		1955/56	1956/57 ^a
Belgium ^c	2,980	2,990	Iceland..... ^d	3,240	<i>n a</i>	Portugal ^e	2,450	2,550
Canada.....	3,190	<i>n a</i>	Italy.....	2,570	2,570	Turkey.....	2,670	<i>n a</i>
Denmark.....	3,300	3,360	Netherlands....	2,910	2,950	UK.....	3,230	3,270
France.....	2,810	<i>n a</i>	Norway.....	3,250	3,310	West Germany....	2,940	3,010
Greece.....	2,590	2,600						

OTHER COUNTRIES

Brazil.....	2,340	<i>n a</i>	India.....	1,880	<i>n a</i>	Japan.....	2,270	<i>n a</i>
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^a Preliminary.^b Calendar years 1953, 1954, and 1955.^c Including Luxembourg.^d 1950/51.^e Calendar years 1955 and 1956.^f 1952.^g 1954/55.^h 1955.

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CONSUMER INDUSTRY

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Table 61

PRODUCTION OF COTTON YARN,^a 1938, 1946, 1950, 1954-58, AND 1960 PLAN

	Thousand Metric Tons								
Country	1938	1946	1950	1954	1955	1956	1957	1958 Esti- mate	1960 Plan
NATO ^b	2,590	2,780	3,330	3,320	3,180	3,160	* 3,130	<i>n a</i>	.....
US ^d	1,110	1,850	1,820	1,760	1,710	1,690	* 1,580	<i>n a</i>	.....
Sino-Soviet Bloc ^f	1,200	<i>n a</i>	1,380	2,190	2,160	2,320	2,240	2,360	2,640
USSR.....	529	320	662	980	1,040	970	980	980	1,000
Communist China.....	394	240	438	834	720	952	838	944	* 1,140
North Korea.....	<i>n a</i>	0.5	<i>n a</i>	4.0	7.8	11.9	13.7	14.4	* 15.8
North Vietnam.....	* 10.0	^b 1.0	1.2	<i>n a</i>	1.0	5	7	8	* 9
European Satellites.....	268	<i>n a</i>	282	370	389	380	397	418	481
Bulgaria.....	11.0	<i>n a</i>	16.4	27.7	30.2	31.3	35.2	37.2	60.0
Czechoslovakia.....	ⁱ 89	<i>n a</i>	88	85	88	90.3	91.2	95.8	108
East Germany.....	52.9	<i>n a</i>	24.0	61.8	63.1	62.2	63.6	69.2	76.3
Hungary.....	21	<i>n a</i>	32.8	44.9	47.2	37.7	45.1	47.0	51.3
Poland.....	ⁱ 77.5	<i>n a</i>	92.1	109	115	116	123	128	143
Rumania.....	16.5	<i>n a</i>	29.2	41.3	45.6	43.0	38.8	40.7	42.0

NATO COUNTRIES

	1956	1957 ^e		1956	1957 ^e		1956	1957 ^e
Belgium ^j	109	112	Italy.....	154	173	Turkey ^l	26.5	^m 22.3
Canada ^k	66.8	64.0	Netherlands ^j	69.8	72.4	UK ^k	318	336
Denmark ^j	6.9	<i>n a</i>	Norway ^j	2.64	2.52	West Germany ^j	396	418
France ^{j k}	281	313	Portugal.....	36.0	35.2			

OTHER COUNTRIES

Austria ^j	23.9	25.4	Pakistan.....	136	<i>n a</i>	Spain.....	55.4	^m 50.0
Egypt.....	75.0	<i>n a</i>	India.....	758	808	Yugoslavia ^j	39.7	44.3
Japan ^j	493	517						

^a Unless otherwise noted, data for the Free World refer to total weight of cotton yarn made for sale, including yarn spun from cotton waste and excluding mixed yarn and tire cord yarn. In the case of the Sino-Soviet Bloc, data refer to total factory production.

^b Excluding Iceland and Luxembourg (all years); Denmark (1957); and Greece (1956-57). The 1938 total includes all Germany in 1937. The 1957 total includes 10 months' data for Turkey. From 1954 on, data for Turkey include government production only, which in 1952 was approximately 53 percent of total production. For further detail on the type of yarn included, see individual country listing below.

^c Preliminary.

^d Including mixed yarn (1938-54). Data for 1955-56 were estimated by the International Cotton Advisory Committee from the amount of raw cotton used. The 1957 figure was estimated in February 1958.

^e Estimate.

^f No production in Albania.

^g Prewar average.

^h 1945.

ⁱ 1937.

^j Including mixed yarn.

^k Including tire cord yarn.

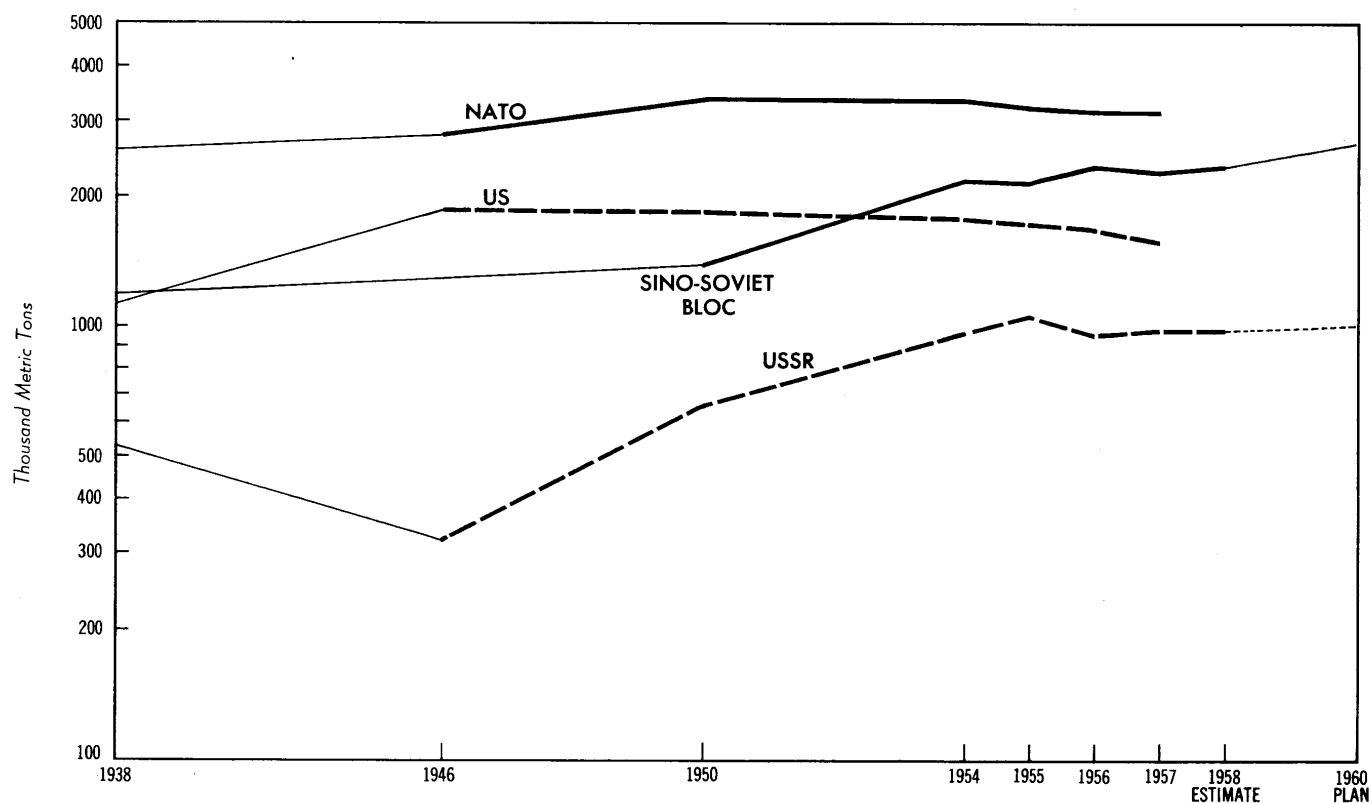
^l Government production only.

^m 10 months.

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Figure 12

**COMPARISON OF PRODUCTION OF COTTON YARN
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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CONSUMER INDUSTRY

Table 62
 PRODUCTION OF WOOL YARN,^a 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	893	1,080	997	1,030	1,060	<i>n a</i>
US ^c	^d 262	367	278	317	334	299
Sino-Soviet Bloc ^e	212	226	306	321	339	356
USSR.....	^d 76.6	102	160	168	180	190
Communist China.....	^f 4.4	2.6	5.8	10.6	15.7	18.8
North Korea.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
European Satellites.....	131	122	140	143	143	147
Bulgaria.....	^g 0.8	7.0	8.7	9.4	11.1	11.5
Czechoslovakia.....	^d 27	38	28	32	30	31.0
East Germany.....	^h 50	9.78	27.1	19.5	21.5	23.3
Hungary.....	12	12	9	12	10	10.8
Poland.....	^d 34.2	41.9	50.1	52.0	53.0	54.4
Rumania.....	7.03	12.8	17.1	17.7	17.3	16.2

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	45.4	47.2	Netherlands.....	29.8	28.6	Turkey ⁱ	5.40	^k 3.39
Canada ^j	7.08	^k 6.10	Norway.....	7.68	8.04	UK ⁱ	240	244
France.....	142	154	Portugal ⁱ	5.26	<i>n a</i>	West Germany.....	118	124
Italy.....	130	<i>n a</i>						

OTHER COUNTRIES

Australia ⁱ	19.6	22.0	Japan.....	105	115	Yugoslavia ⁱ	11.3	13.1
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^a Unless otherwise noted, data for the Free World refer to the weight of woolen and worsted yarn spun for sale, including mixed yarn. In the case of the Sino-Soviet Bloc, data refer to total factory production.

^b Excluding Iceland and Luxembourg (all years); Greece and Denmark (1956). The 1938 total includes the 1937 production figure for the US and the 1939 figure for Portugal and includes all Germany.

^c The 1950 figure excludes worsted yarn spun on systems other than woolen and worsted. Data for 1954-57 include fibers consumed on the woolen and worsted systems.

^d 1937.

^e No production in North Vietnam.

^f 1936.

^g 1939.

^h 1936; including also yarn made only partly of wool.

ⁱ Excluding mixed yarn.

^j From 1955 on, worsted yarn only, which is approximately one-third of the total output.

^k 10 months.

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CONSUMER INDUSTRY

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Table 63

PRODUCTION OF RAYON YARN AND STAPLE,* 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^b	585	1,180	1,240	1,380	^c 1,350	<i>n a</i>
US.....	130	571	492	572	521	517
Sino-Soviet Bloc ^d	52.4	158	287	322	347	370
USSR ^e	^f 8.6	24.2	78.8	102	119	132
Communist China.....	<i>n a</i>	0	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>n a</i>
European Satellites.....	43.8	133	208	220	228	238
Czechoslovakia.....	3.4	26.0	43.2	48.1	49.0	54.4
East Germany.....	^g 29.5	87.0	118	119	121	122
Poland.....	10.1	18.5	45.0	50.4	55.3	58.4
Rumania.....	0.850	1.92	2.37	2.62	2.61	2.62

NATO COUNTRIES

		1956 ^h	1957 ^h			1956 ^h	1957 ^h			1956 ^h	1957 ^h
Belgium.....	32.8	34.7		Italy.....	148	146		Turkey ^h	0.5	<i>n a</i>	
Canada.....	34.6	<i>n a</i>		Netherlands.....	42.7	ⁱ 39.8		UK ^e	219	225	
France.....	106	120		Norway.....	14.9	<i>n a</i>		West Germany.....	229	239	
Greece ^h	1.1	<i>n a</i>		Portugal ^h	1.64	<i>n a</i>					

* Data refer to rayon filament yarn and staple fibers, where produced. The figures for the Free World include production of acetate yarn and staple.

^b Excluding Denmark, Iceland, and Luxembourg. The 1938 total includes all Germany.

^c Preliminary.

^d No production in North Korea (1938 and 1957 information not available) or North Vietnam.

^e Including other synthetic yarns and fibers.

^f 1937.

^g 1936.

^h Filament only.

ⁱ 11 months.

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CONSUMER INDUSTRY

Table 64
PRODUCTION OF LEATHER FOOTWEAR,* 1938, 1950, AND 1954-57

Country	Million Pairs					
	1938	1950	1954	1955	1956	1957
NATO ^b	744	875	896	942	° 956	<i>n a</i>
US ^d	391	523	530	585	° 588	<i>n a</i>
Sino-Soviet Bloc.....	218	267	349	367	386	424
USSR.....	193	203	258	274	290	• 315
Communist China.....	<i>n a</i>	<i>n a</i>	^f 3.0	<i>n a</i>	<i>n a</i>	<i>n a</i>
North Korea.....	<i>n a</i>	<i>n a</i>	0.4	0.6	0.9	0.9
North Vietnam.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
European Satellites.....	25.2	63.9	87.8	92.2	94.6	108
Bulgaria.....	<i>n a</i>	0.9	1.4	1.5	1.9	2.0
Czechoslovakia.....	<i>n a</i>	29.7	22.9	22.5	21.8	28.0
East Germany.....	• 15.3	7.96	19.4	17.6	17.2	17.6
Hungary.....	3.5	5.81	10.7	12.4	10.8	13.1
Poland.....	2.8	10.9	23.2	24.6	27.5	29.7
Rumania.....	3.6	8.6	10.2	13.6	15.5	17.8

NATO COUNTRIES

	1955	1956 °		1955	1956 °		1955	1956 °
Belgium ^d	17.6	19.3	France ^b	66.4	69.1	Saar.....	0.489	0.509
Canada.....	37.5	41.9	Netherlands.....	18.2	19.0	UK ^d	134	139
Denmark.....	4.48	<i>n a</i>	Norway ^d	4.93	<i>n a</i>	West Germany.....	72.9	78.1

* Unless otherwise noted, data refer to boots and shoes (including slippers, sandals, and sport shoes) with leather or mainly leather uppers.

^b Excluding Greece, Iceland, Luxembourg, and Turkey (all years); Italy and Portugal (1955-56); and Denmark and Norway (1956). The 1938 total includes the 1935 production figure for the UK. Data for Belgium, the Netherlands (1938 and 1950 only), Norway, the UK, and the US also include footwear with nonleather or mainly nonleather uppers (see footnote ^d).

° Preliminary.

^d Including footwear with nonleather or mainly nonleather uppers.

• Including shoes with uppers of textile materials and combination uppers, amounting to 15 to 20 percent of the total, but excluding all rubber and felt footwear.

^f 1953.

• 1936.

^b Excluding slippers and sandals.

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CHEMICAL INDUSTRY

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Table 65

PRODUCTION OF SULFURIC ACID,* 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Thousand Metric Tons									
Country	1938	1946	1950	1954	1955	1956	1957	1958 Esti- mate	1960 Plan
NATO ^b	10,600	13,100	20,000	23,100	25,500	^c 25,800	<i>n a</i>	<i>n a</i>	.....
US.....	3,800	8,350	11,800	12,700	14,300	14,400	14,700	<i>n a</i>	.....
Sino-Soviet Bloc ^d	2,990	1,220	3,290	5,140	5,870	6,670	7,280	8,690	12,300
USSR.....	1,540	725	2,120	3,290	3,800	4,320	4,600	5,600	7,250
Communist China.....	165	<i>n a</i>	80	356	388	500	611	737	^e 2,000
North Korea.....	^f 380	108	^g 165	3.0	28.0	110	197	245	^h 330
European Satellites.....	899	385	918	1,490	1,660	1,740	1,870	2,100	2,720
Bulgaria.....	0	0	<i>Negl.</i>	14.9	19.4	28.6	38.1	75.0	150
Czechoslovakia.....	180	113	240	341	383	422	445	485	540
East Germany.....	447	125	280	531	592	611	638	682	845
Hungary.....	40.0	<i>n a</i>	61.7	111	124	102	120	147	200
Poland.....	189	124	285	419	450	482	510	563	749
Rumania.....	43.0	23.3	51.6	73.5	92.0	95.0	120	153	235

NATO COUNTRIES

	1955	1956 ^c		1955	1956 ^c		1955	1956 ^c
Belgium.....	1,140	1,120	Greece.....	118	<i>n a</i>	Portugal.....	241	254
Canada.....	862	943	Italy.....	1,910	2,050	Turkey.....	17.8	16.5
Denmark.....	172	<i>n a</i>	Netherlands.....	680	709	UK.....	2,130	2,290
France.....	1,470	1,540	Norway.....	94	<i>n a</i>	West Germany.....	2,280	2,530

OTHER COUNTRIES

Finland.....	123	143	Spain.....	900	<i>n a</i>	Switzerland.....	180	128
India.....	169	168	Sweden.....	397	399	Yugoslavia.....	73	107
Japan.....	3,290	3,700						

* 100 percent acid basis.

^b Excluding Iceland and Luxembourg (all years); Denmark, Greece, and Norway (1956). Including quantities not commercialized but used on the spot for production of other products.

^c Preliminary.

^d No production in Albania.

^e Estimate.

^f 1940.

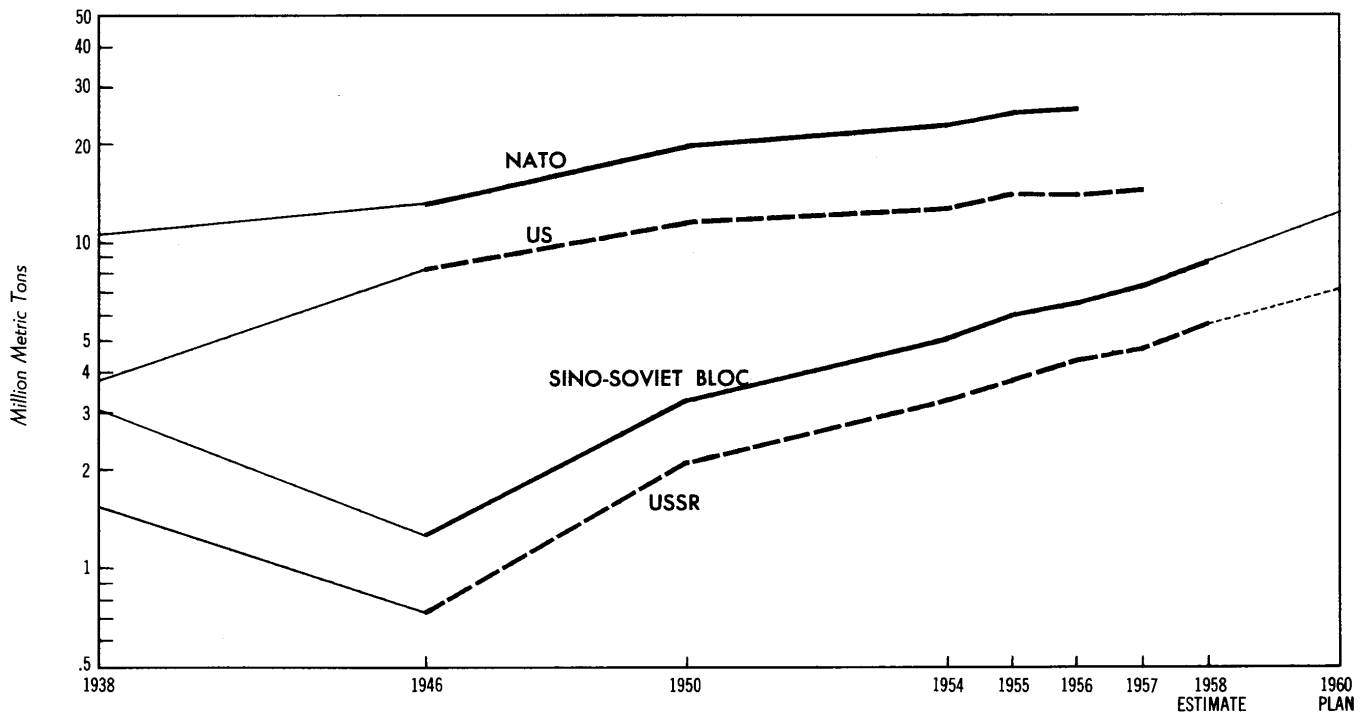
^g First half year.

^h 1961 estimate.

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Figure 13

**COMPARISON OF PRODUCTION OF SULFURIC ACID
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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CHEMICAL INDUSTRY

Table 66

PRODUCTION OF SYNTHETIC AMMONIA,^a 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons								1960 Plan
	1938	1946	1950	1954	1955	1956	1957	1958 Esti- mate	
NATO ^b	488	1,020	2,800	4,080	4,150	<i>n a</i>	<i>n a</i>	<i>n a</i>	.....
US.....	• 232	541	1,170	2,030	2,360	2,490	3,360	<i>n a</i>	.....
Sino-Soviet Bloc ^d	777	<i>n a</i>	740	1,000	1,250	1,450	1,650	1,920	2,880
USSR.....	• 276	214	350	455	619	702	795	902	1,160
Communist China.....	<i>n a</i>	<i>n a</i>	13	57	68	105	123	174	^f 501
North Korea.....	• 122	30.8	^e 46.0	0	5.6	29.9	55.4	94.3	^h 138
European Satellites..	379	<i>n a</i>	331	491	558	617	677	750	1,080
Bulgaria.....	0	0	0	32.0	34.1	37.2	47.6	64.3	86.0
Czechoslovakia.....	21.0	ⁱ 21.3	30.0	38.4	42.0	51.1	57.0	65.0	^f 150
East Germany.....	320	62.3	242	314	335	343	350	355	^f 365
Hungary.....	5.35	<i>n a</i>	12.0	16.1	10.0	9.0	16.0	23.0	^f 70.0
Poland.....	31.7	<i>n a</i>	46.0	83.0	137	167	196	230	290
Rumania.....	0.6	<i>n a</i>	1.7	8.1	<i>n a</i>	9.30	10.3	12.7	^f 115

NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	224	209	Italy.....	297	344	UK.....	450	<i>n a</i>
France.....	358	433	Portugal.....	13	1	West Germany.....	708	806

^a Stated in terms of nitrogen content. To convert to actual production of synthetic ammonia, multiply by 1.2158.

^b Including France, Italy, and the US; Belgium (except 1938); the Netherlands and Norway (1950); Portugal (1954-55); the UK (except 1955); and West Germany (1950, 1954-55).

^c 1939.

^d No production in North Vietnam or Albania.

^e 1940.

^f Estimate.

^g First half year.

^h 1961 estimate.

ⁱ 1947.

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CHEMICAL INDUSTRY

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Table 67

PRODUCTION OF NITRIC ACID,^a 1938, 1950, 1954-58, AND 1960

Country	Thousand Metric Tons							1960 Esti- mate
	1938	1950	1954	1955	1956	1957	1958 Esti- mate	
NATO ^b	628	2,180	3,410	3,890	^c 3,940	<i>n a</i>	<i>n a</i>	<i>n a</i>
US ^d	^e 160	1,210	2,080	2,350	^e 2,340	^e 2,560	<i>n a</i>	<i>n a</i>
Sino-Soviet Bloc ^f	374	1,190	1,720	2,370	2,720	3,090	3,700	5,100
USSR.....	^e 150	850	1,100	1,500	1,710	1,930	2,190	2,800
Communist China.....	<i>n a</i>	8.7	45	69	101	110	196	417
North Korea.....	<i>n a</i>	^g 13.9	0	0	0	0	65	^h 112
European Satellites.....	224	316	574	804	912	1,050	1,250	1,770
Bulgaria.....	<i>Negl.</i>	<i>Negl.</i>	67.2	71.5	78.0	100	158	180
Czechoslovakia.....	36.3	45.0	65.0	93.6	137	160	185	300
East Germany.....	164	184	269	276	286	300	310	330
Hungary.....	15.0	32.0	55.0	30.0	28.0	50.0	75.0	150
Poland.....	8.8	52.0	92.0	304	354	410	480	610
Rumania.....	0.4	3.5	26.5	29.0	29.0	32.0	45.0	200

NATO COUNTRIES

	1955	1956 ^e		1955	1956 ^e		1955	1956 ^e
Canada.....	215	208	Greece.....	0.3	<i>n a</i>	Norway.....	18.7	<i>n a</i>
France.....	867	941	Italy.....	438	451	Portugal.....	0.2	0.4

OTHER COUNTRIES

Japan.....	84.0	94.1	Sweden.....	54.2	69.7
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^a 100 percent nitric acid.

^b Including Canada, France, Greece (except 1956), Italy, Norway (except 1956), Portugal, the UK (1950), and the US. The 1938 total includes 1937 data for the US.

^c Preliminary.

^d Beginning in 1954, data include production from government-owned but privately operated plants.

^e 1937.

^f No production in North Vietnam or Albania.

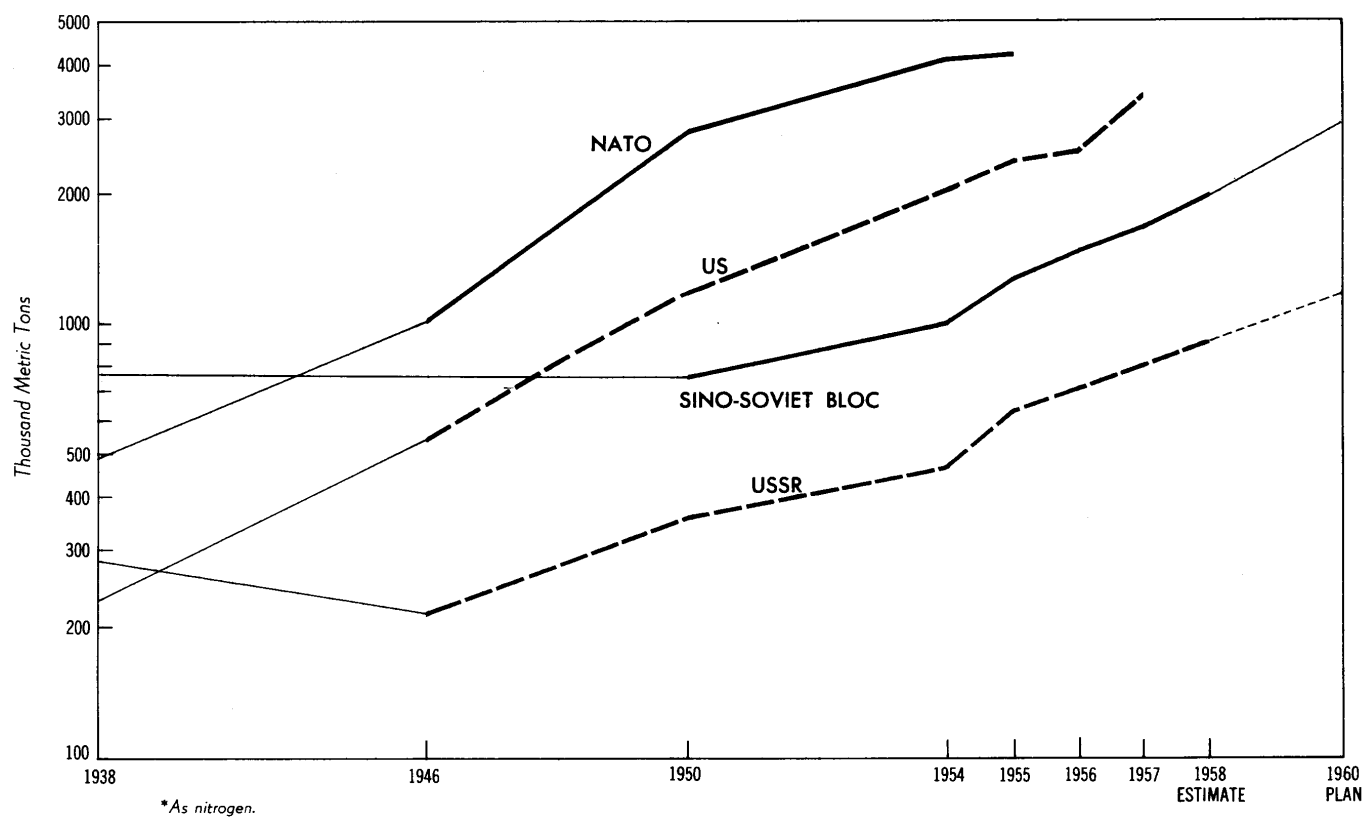
^g First half year.

^h 1961 estimate.

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Figure 14

**COMPARISON OF PRODUCTION OF SYNTHETIC AMMONIA*
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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CHEMICAL INDUSTRY

Table 68
 PRODUCTION OF SODA ASH, 1938, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons							1960 Plan
	1938	1950	1954	1955	1956	1957	1958 Estimate	
NATO ^a	4,460	5,450	6,370	6,660	^b 6,330	<i>n a</i>	<i>n a</i>	.....
US ^c	^d 2,560	3,620	4,260	4,450	^b 4,530	<i>n a</i>	<i>n a</i>	.....
Sino-Soviet Bloc ^e	1,380	1,250	2,330	2,730	2,970	3,140	3,600	4,640
USSR ^e	543	749	1,310	1,440	1,540	1,620	1,940	2,420
Communist China.....	^f 103	135	310	405	485	478	515	^g 650
North Korea.....	<i>n a</i>	<i>n a</i>	0	0	0	0	0	<i>n a</i>
European Satellites.....	730	371	712	887	945	1,040	1,150	1,570
Bulgaria.....	0	0	16.9	74.6	86.0	90.0	92.0	112
Czechoslovakia.....	132	96.5	96.5	96.5	96.5	96.5	96.5	96.5
East Germany.....	496	103	372	458	501	531	552	623
Poland.....	85.7	133	188	207	211	250	306	490
Rumania.....	16.0	38.8	38.4	51.0	50.6	75.0	100	250

NATO COUNTRIES

	1955	1956 ^b		1955	1956 ^b		1955	1956 ^b
France.....	724	781	Norway.....	12.8	<i>n a</i>	West Germany.....	983	996
Italy ^c	472	<i>n a</i>	Portugal.....	18.9	16.7			

OTHER COUNTRIES

India.....	78.5	85.6	Spain ⁱ	110	128	Yugoslavia ^e	39.2	68.5
Japan ^h	645	755						

^a Including France, Italy (except 1956), Norway (except 1938 and 1956), Portugal, the US, and West Germany. The 1938 total includes all Germany and the 1939 figure for the US. Unless otherwise noted, data refer to total production of soda ash (sodium carbonate—Na₂CO₃), excluding, as far as possible, natural sodium carbonate and sodium bicarbonate.

^b Preliminary.

^c 98 to 100 percent basis.

^d 1939.

^e 100 percent basis except the USSR, which is 95 percent basis. No production in countries of the Sino-Soviet Bloc which are not listed.

^f 1940.

^g Estimate.

^h Finished soda ash made for sale plus crude soda ash consumed by producers in the manufacture of caustic soda.

ⁱ 99 percent basis.

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CHEMICAL INDUSTRY

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Table 69

PRODUCTION OF CAUSTIC SODA,^a 1938, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons							
	1938	1950	1954	1955	1956	1957	1958 Estimate	1960 Plan
NATO ^b	^a 1,660	3,180	4,360	4,870	^d 5,190	<i>n a</i>	<i>n a</i>	.....
US.....	^a 948	2,280	3,090	3,550	3,820	3,920	<i>n a</i>	.....
Sino-Soviet Bloc ^f	494	629	1,030	1,180	1,320	1,450	1,630	2,010
USSR ^g	177	325	498	563	631	710	796	1,000
Communist China.....	25	20	116	137	156	178	205	^h 260
North Korea.....	ⁱ 23	<i>n a</i>	0	3.4	6.1	9.3	18	^h 20
European Satellites.....	269	284	413	476	522	556	610	735
Bulgaria.....	0	<i>Negl.</i>	0.187	2.51	11.2	12.3	12.9	19.7
Czechoslovakia.....	^j 27.0	51.5	69.8	82.1	83.0	86.0	87.0	111
East Germany.....	195	149	228	257	275	277	293	310
Hungary.....	3.68	6.10	11.6	11.7	10.0	11.5	12.5	^h 23.0
Poland.....	29.8	62.8	85.9	99.6	119	137	160	176
Rumania.....	13.8	15.3	17.5	23.5	24.0	33.0	45.0	95.0

NATO COUNTRIES

	1955	1956 ^d		1955	1956 ^d		1955	1956 ^d
Canada.....	205	228	Greece.....	0.7	<i>n a</i>	Portugal ^l	12.0	13.4
Denmark ^k	2.0	2.2	Italy.....	252	254	Turkey ^k	1.1	0.9
France ^m	255	273	Norway ^k	35.4	<i>n a</i>	West Germany ^k ...	556	594

OTHER COUNTRIES

Austria.....	48.4	50.8	Japan.....	502	626	Sweden.....	99	111
India ^k	34.8	40.0	Spain ^l	100	115	Yugoslavia ^l	30.7	42.0

^a 100 percent basis unless otherwise noted.

^b Excluding Belgium, Iceland, Luxembourg, the Netherlands, and the UK.

^c Including only France, Greece, Italy (1939), all Germany, and the US (1939).

^d Preliminary.

^e 1939.

^f No production in North Vietnam or Albania.

^g 92 percent basis.

^h Estimate.

ⁱ 1944.

^j 1937.

^k Total production of caustic soda.

^l 96 to 98 percent basis.

^m Solid caustic soda only, which is about two-thirds of total production.

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CHEMICAL INDUSTRY

Table 70
PRODUCTION OF CHLORINE, 1938, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons							1960 Plan
	1938	1950	1954	1955	1956	1957	1958 Esti- mate	
NATO ^a	696	2,250	3,130	3,660	<i>n a</i>	<i>n a</i>	<i>n a</i>	.....
US.....	^b 467	1,890	2,630	3,090	3,440	3,550	<i>n a</i>	.....
Sino-Soviet Bloc ^c	351	402	584	641	704	779	852	1,090
USSR.....	85.0	187	285	322	361	405	454	572
Communist China.....	6.0	12.0	32	37	41	46	52	^d 62
North Korea.....	^e 10.1	^f 14.8	0	3.0	5.3	8.1	16.0	^d 17.5
European Satellites.....	250	188	267	279	296	320	330	443
Czechoslovakia.....	14.0	31.0	44.5	45.5	47.0	59.0	60.0	83.4
East Germany.....	^b 226	142	203	212	217	217	218	^d 250
Hungary.....	2.50	4.90	8.58	8.70	8.00	8.50	8.5	^d 20.0
Poland.....	4.0	5.1	6.4	8.1	19.5	29.5	36.0	60.0
Rumania.....	3.0	4.7	5.0	5.0	5.0	5.7	8.3	30.0

NATO COUNTRIES

	1956	1957
France.....	182	211

^a Including France, Italy (except 1955), the US, and West Germany. The 1938 total includes 1939 data for the US.

^b 1939.

^c No production in countries of the Sino-Soviet Bloc which are not listed.

^d Estimate.

^e 1944.

^f 1949.

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CHEMICAL INDUSTRY

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Table 71

PRODUCTION OF CALCIUM CARBIDE, 1938, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons							1960 Plan
	1938	1950	1954	1955	1956	1957	1958 Esti- mate	
NATO ^a	899	1,760	2,080	2,320	<i>n a</i>	<i>n a</i>	<i>n a</i>	.....
US.....	<i>n a</i>	609	647	794	929	922	<i>n a</i>	.....
Sino-Soviet Bloc ^b	735	1,210	1,440	1,660	1,730	1,840	2,110	2,400
USSR.....	80	233	372	410	445	480	515	585
Communist China.....	^c 5	6	17	30	33	60	80	^d 120
North Korea.....	^e 145	^f 95	34	68	99	143	160	^g 275
European Satellites.....	505	876	1,020	1,150	1,150	1,160	1,350	1,420
Bulgaria.....	0.3	2.9	7.99	9.02	10.3	10.7	13.5	10.0
Czechoslovakia.....	36.0	55.5	60.2	75.8	83.5	91.0	93.7	106
East Germany.....	^h 390	628	735	814	802	799	845	^d 900
Hungary.....	5.8	8.5	10.0	10.5	9.5	10.0	10.5	10.5
Poland.....	67.1	172	181	211	213	215	351	355
Rumania.....	5.5	9.1	24.7	27.5	30.0	36.0	39.0	41.0

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
France.....	249	265	Norway.....	39.2	41.1	UK.....	133	135
Italy.....	271	260	Portugal.....	8	<i>n a</i>	West Germany....	822	<i>n a</i>

^a Including France, Italy, Norway, Portugal, the UK, the US, and West Germany. The 1938 total includes only France, Italy, Norway, and West Germany.

^b No production in North Vietnam or Albania.

^c 1936.

^d Estimate.

^e 1944.

^f First half year.

^g 1961 estimate.

^h 1939.

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CHEMICAL INDUSTRY

Table 72

PRODUCTION OF BENZOL,^a 1938, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons							1960 Plan
	1938	1950	1954	1955	1956	1957	1958 Esti- mate	
US.....	<i>n a</i>	618	853	1,020	<i>n a</i>	<i>n a</i>	<i>n a</i>	.....
Sino-Soviet Bloc ^b	234	337	493	543	584	631	681	778
USSR.....	^c 173	224	321	347	380	412	445	509
Communist China.....	<i>n a</i>	8.0	29.0	36.0	36.0	44.0	51	^d 57
North Korea.....	<i>Negl.</i>	<i>Negl.</i>	0	0	0	0	0	<i>n a</i>
European Satellites.....	60.8	105	143	160	168	175	185	212
Czechoslovakia.....	23.6	42.5	55.0	57.0	59.7	63.5	67.4	^d 75.0
East Germany.....	9.5	8.52	11.3	11.9	12.1	12.0	13.3	^d 14.0
Hungary.....	0	0.3	0.48	0.48	0.50	0.50	0.5	6.2
Poland.....	27.1	53.4	75.7	89.0	93.2	95.5	100	111
Rumania.....	0.65	0.6	0.65	1.20	2.1	3.4	4.1	^d 5.7

^a Refined.^b No production in countries of the Sino-Soviet Bloc which are not listed.^c 1940.^d Estimate.

Table 73

PRODUCTION OF TOLUOL, 1938, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons							1960 Plan
	1938	1950	1954	1955	1956	1957	1958 Esti- mate	
US.....	<i>n a</i>	274	520	606	<i>n a</i>	<i>n a</i>	<i>n a</i>	.....
Sino-Soviet Bloc ^a	75.6	97.6	131	141	151	161	172	194
USSR.....	^b 64	77	101	107	115	123	131	148
Communist China.....	<i>n a</i>	1.0	3.5	4.2	4.3	5.1	6.1	^c 6.8
North Korea.....	<i>Negl.</i>	<i>Negl.</i>	0	0	0	0	0	<i>n a</i>
European Satellites.....	11.6	19.6	26.8	29.9	31.6	32.9	35.0	39.7
Czechoslovakia.....	4.4	7.8	10.1	10.5	11.0	11.7	12.4	^c 14.0
East Germany.....	2.4	2.5	3.6	3.8	4.14	4.1	4.4	^c 4.7
Hungary.....	0	0.125	0.20	0.20	0.20	0.20	0.2	^c 1.0
Poland.....	4.6	9.0	12.8	15.1	15.8	16.1	17.0	18.7
Rumania.....	0.15	0.15	0.15	0.275	0.50	0.80	0.95	^c 1.30

^a No production in countries of the Sino-Soviet Bloc which are not listed.^b 1940.^c Estimate.

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CHEMICAL INDUSTRY

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Table 74

PRODUCTION OF PHENOL,* 1938, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons							
	1938	1950	1954	1955	1956	1957	1958 Esti- mate	1960 Plan
US.....	<i>n a</i>	132	184	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	....
Sino-Soviet Bloc ^b	<i>n a</i>	32.4	57.0	69.1	81.4	96.0	118	173
USSR.....	^c 19.1	21.2	33.6	43.0	52.5	64.0	78.1	117
Communist China.....	<i>n a</i>	0.2	0.6	0.8	0.8	0.9	1.1	^d 1.2
North Korea.....	<i>Negl.</i>	<i>Negl.</i>	0	0	0	0	0	<i>n a</i>
European Satellites.....	<i>n a</i>	11.0	22.8	25.3	28.1	31.1	38.5	54.8
Czechoslovakia.....	1.1	4.3	5.94	6.71	7.00	7.60	8.3	11.3
East Germany.....	<i>n a</i>	5.2	11.4	12.7	14.9	15.6	15.9	^d 17.0
Hungary.....	<i>n a</i>	0.25	0.45	0.50	0.55	0.60	0.7	5.4
Poland.....	0.45	0.90	4.65	5.00	5.27	6.80	13.0	17.7
Rumania.....	0	0.40	0.40	0.40	0.40	0.5	0.6	3.4

* Refined.

^b No production in countries of the Sino-Soviet Bloc which are not listed.^c 1940.^d Estimate.

Table 75

PRODUCTION OF MINERAL FERTILIZERS,* 1938, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons ^b							
	1938	1950	1954	1955	1956	1957	1958 Esti- mate	1960 Plan
US.....	<i>n a</i>	<i>n a</i>	19,000	^c 19,300	^c 19,400	<i>n a</i>	<i>n a</i>	.....
Sino-Soviet Bloc ^d	2,530	3,100	4,080	4,720	5,160	5,520	6,200	8,600
USSR.....	737	1,230	1,850	2,290	2,610	2,760	3,080	4,500
Communist China.....	^e 45	16	71	84	131	158	233	^f 631
North Korea.....	<i>n a</i>	^g 84.7	3.6	16.4	40.0	66.8	109	^h 155
European Satellites.....	1,750	1,760	2,150	2,320	2,390	2,530	2,780	3,310
Bulgaria.....	0	0	27.3	29.2	31.8	43.0	67.4	89.3
Czechoslovakia.....	75.0	94.0	120	159	172	184	232	297
East Germany.....	1,570	1,460	1,730	1,800	1,830	1,900	1,970	2,150
Hungary.....	15.1	39.8	43.8	36.3	34.3	45.2	57.0	^f 100
Poland.....	85.8	160	220	286	299	338	404	527
Rumania.....	2.0	0.8	6.5	12.5	15.0	22.0	55.0	^f 150

* Including nitrogen fertilizers (in terms of nitrogen), phosphorous fertilizers (in terms of phosphoric anhydride), and potassium fertilizers (in terms of potassium oxide).

^b Tonnages given refer to the nutrients expressed as nitrogen, phosphoric anhydride, and potassium oxide.^c Preliminary.^d No production in North Vietnam or Albania.^e 1941.^f Estimate.^g 1949.^h 1961.

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RUBBER INDUSTRY

Table 76
PRODUCTION OF SYNTHETIC RUBBER, 1938, 1950, AND 1954-57

Country	Thousand Metric Tons					
	1938	1950	1954	1955	1956	1957
NATO ^a	6.0	543	728	1,100	1,230	<i>n a</i>
US.....	1.0	484	633	986	1,100	^b 1,140
Sino-Soviet Bloc ^c	89.9	183	282	312	329	346
USSR.....	85	143	213	240	255	270
European Satellites.....	4.9	40.0	69.0	72.0	73.8	75.8
Czechoslovakia.....	0	0.4	0.6	0.6	0.6	0.8
East Germany.....	4.9	39.0	67.7	70.7	72.5	74.3
Poland.....	0	0.6	0.7	0.7	0.7	0.7

NATO COUNTRIES

	1955	1956		1955	1956
Canada.....	106	123	West Germany.....	11.1	10.9

^a Including Canada, the US, and West Germany. Data refer to copolymers of butadiene with styrene and acrylonitrile and to neoprene and butyl rubber. Latexes are included.

^b Preliminary.

^c No production in countries of the Sino-Soviet Bloc which are not listed.

Table 77
PRODUCTION OF RUBBER TIRES, 1938, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Units						
	1938	1950	1954	1955	1956	1957	1958 Estimate
NATO ^a	<i>n a</i>	<i>n a</i>	<i>n a</i>	134,000	121,000	<i>n a</i>	<i>n a</i>
US ^b	40,900	92,800	89,100	112,000	100,000	^c 81,400	<i>n a</i>
Sino-Soviet Bloc ^d	4,580	9,710	13,900	14,900	16,900	19,000	21,300
USSR.....	3,600	7,400	9,280	10,200	11,300	12,800	14,500
Communist China.....	^e 75	62	701	593	761	873	1,000
European Satellites.....	913	2,250	3,910	4,160	4,810	5,280	5,800
Bulgaria.....	0	42.7	75.0	87.0	98.0	111	123
Czechoslovakia.....	500	1,390	1,880	2,000	2,150	2,300	2,500
East Germany.....	313	394	1,140	1,230	1,480	1,450	1,600
Hungary.....	100	104	232	245	240	282	365
Poland.....	0	215	420	425	646	937	995
Rumania.....	<i>n a</i>	105	170	180	199	200	220

NATO COUNTRIES

	1956	1957		1956	1956
Canada ^a	8,330	7,870	UK ^b	12,400	^c 9,350

^a Including Canada, the US, and the UK.

^b Including tires for passenger cars, trucks, and buses.

^c 9 months' data.

^d No production in countries of the Sino-Soviet Bloc which are not listed. Data refer to motor vehicle tires.

^e 1943.

^f Estimate.

^g Including a small number of imported tires and excluding bicycle tires.

^h Excluding bicycle tires.

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ELECTRICAL INDUSTRY

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Table 78

PRODUCTION OF ELECTRIC MOTORS IN THE SINO-SOVIET BLOC,* 1938, 1950, AND 1954-57

Country	Thousand Kilowatts					
	1938	1950	1954	1955	1956	1957
Sino-Soviet Bloc ^b	3,950	12,000	16,000	17,700	19,700	23,400
USSR.....	^c 2,300	8,500	10,000	11,000	12,000	15,000
Communist China.....	<i>n a</i>	200	713	524	1,070	1,250
European Satellites.....	1,650	3,330	5,240	6,180	6,590	7,150
Bulgaria.....	<i>Negl.</i>	195	450	470	500	520
Czechoslovakia.....	^c 380	1,330	935	1,180	1,410	1,500
East Germany ^d	^e 1,000	1,140	1,750	2,150	2,000	2,150
Hungary.....	60	320	800	900	980	1,100
Poland.....	^f 200	300	970	1,050	1,200	1,300
Rumania.....	10	45	340	430	500	580

* All sizes.

^b No production in countries of the Sino-Soviet Bloc which are not listed.^c 1937.^d Alternating current only.^e 1936.^f 1939.

Table 79

PRODUCTION OF ELECTRIC GENERATORS,* 1938, 1950, AND 1954-57

Country	Thousand Kilowatts					
	1938	1950	1954	1955	1956	1957
US.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	10,500	9,380	<i>n a</i>
Sino-Soviet Bloc ^b	938	1,870	7,120	8,640	9,520	11,300
USSR.....	^c 720	1,200	4,900	5,800	6,600	8,000
Communist China.....	<i>Negl.</i>	<i>Negl.</i>	61.8	108	287	284
European Satellites.....	218	671	2,160	2,740	2,630	3,020
Bulgaria.....	<i>Negl.</i>	7	16	17	19	21
Czechoslovakia.....	^c 163	506	826	1,180	808	1,000
East Germany.....	^d 35	50	890	1,030	1,200	1,300
Hungary.....	20	100	260	300	340	370
Poland.....	<i>Negl.</i>	<i>Negl.</i>	15	20	45	70
Rumania.....	<i>Negl.</i>	8	150	190	220	250

* All sizes.

^b No production in Albania.^c 1937.^d 1936.

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ELECTRICAL INDUSTRY

Table 80

PRODUCTION OF ELECTRON TUBES, 1938, 1950, AND 1954-57

Country	Million Units					
	1938	1950	1954	1955	1956	1957
US *	74.7	383	395	491	478	466
Sino-Soviet Bloc ^b	12.6	33.3	84.8	103	121	139
USSR.....	^c 7	25.2	62	76.6	89.6	98.0
Communist China.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	0.2	0.3	5.7
European Satellites.....	5.6	8.1	22.8	26.5	31.5	34.9
Czechoslovakia.....	2.4	2.7	5.4	6.7	8.3	9.3
East Germany.....	<i>n a</i>	2.7	10.0	9.5	10.0	12.3
Hungary.....	3.2	2.7	6.9	7.5	8.7	7
Poland.....	<i>n a</i>	<i>Negl.</i>	0.5	2.6	4.0	5.6
Rumania.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	0.2	0.5	0.7

* Including only those tubes manufactured for civilian use.

^b No production in countries of the Sino-Soviet Bloc which are not listed.

^c 1940.

Table 81

PRODUCTION OF RADIO RECEIVERS,^a 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
NATO ^b	12,700	20,300	17,500	22,400	22,300	<i>n a</i>
US.....	^c 10,300	14,600	10,400	14,500	14,000	15,400
Sino-Soviet Bloc ^d	873	1,950	4,810	5,660	6,190	6,490
USSR.....	^e 160	1,070	2,890	3,530	3,680	3,600
Communist China.....	<i>Negl.</i>	75	225	275	500	700
European Satellites.....	713	807	1,690	1,860	2,020	2,190
Bulgaria.....	<i>n a</i>	8.0	46.6	66.2	92.2	108
Czechoslovakia.....	^f 144	266	110	102	221	254
East Germany.....	^g 410	277	897	763	750	600
Hungary.....	<i>n a</i>	99	258	377	352	446
Poland.....	^f 159	116	307	461	499	645
Rumania.....	<i>n a</i>	39.7	70.0	89.4	104	134

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada ^b	610	709	France.....	1,220	1,560	UK.....	2,140	1,680
Denmark.....	95	83	Norway.....	109	<i>n a</i>	West Germany.....	3,650	4,260

^a Civilian radio receivers, including radio-phonograph combinations.

^b Including Canada, Denmark, France, Norway (except 1956), the UK, the US, and West Germany. The 1938 total includes 1937 data for the UK and 1939 data for the US. The 1938 total does not include France or West Germany.

^c 1939.

^d No production in countries of the Sino-Soviet Bloc which are not listed.

^e 1940.

^f 1937.

^g 1936.

^h Sales by producers.

ELECTRICAL INDUSTRY

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Table 82

PRODUCTION OF TELEVISION RECEIVERS, 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
NATO ^a	6	8,040	9,460	10,800	10,300	<i>n a</i>
US.....	^b 3	7,460	7,350	7,760	7,390	6,400
Sino-Soviet Bloc ^c	<i>n a</i>	11.9	310	551	689	908
USSR.....	^d 0.3	11.9	254	495	596	700
European Satellites.....	<i>n a</i>	<i>Negl.</i>	55.6	55.9	93.1	208
Czechoslovakia.....	<i>n a</i>	<i>Negl.</i>	15.0	17.2	40.0	79.0
East Germany.....	<i>n a</i>	<i>Negl.</i>	40.6	38.6	48.9	99.4
Hungary.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	0.1	2.0	14
Poland.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>Negl.</i>	2.2	16.0

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	764	598	France.....	187	257	West Germany...	316	525
Denmark.....	11.6	46.4	UK.....	1,770	1,460			

^a Including Canada, France, the UK, and the US; Denmark and West Germany (1954-56). The 1938 total includes only 1937 data for the UK and 1939 data for the US.

^b 1939.

^c No production in countries of the Sino-Soviet Bloc which are not listed.

^d 1940.

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MACHINERY INDUSTRY

Table 83

PRODUCTION OF MACHINE TOOLS IN THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
Sino-Soviet Bloc ^a	<i>n a</i>	111	168	188	210	234
USSR.....	^b 48.5	70.6	102	117	121	130
Communist China.....	<i>n a</i>	3.32	15.9	13.7	26.0	29.0
North Korea.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>n a</i>	1.00	1.02
European Satellites.....	<i>n a</i>	37.5	50.1	56.9	62.2	73.6
Albania.....	0	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
Bulgaria.....	<i>Negl.</i>	0.886	1.14	1.38	1.06	1.50
Czechoslovakia.....	4.10	12.9	14.8	18.5	19.0	22.0
East Germany.....	<i>n a</i>	16.1	16.7	18.5	21.1	27.0
Hungary.....	<i>Negl.</i>	3.36	4.96	5.12	5.00	6.00
Poland.....	4.30	4.10	^c 12.5	12.7	15.1	16.3
Rumania.....	0	0.200	<i>n a</i>	0.709	0.826	0.850

^a No production in North Vietnam.^b 1937.^c Including metalcutting and metalforming machine tools.

Table 84

PRODUCTION OF METALFORMING MACHINERY, 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
US.....	<i>n a</i>	29.6	^a 33.2	^a 37.3	^a 42.8	<i>n a</i>
USSR.....	3.60	8.99	15.3	19.4	20.5	^b 24.0

^a Minimum estimates, based on shipments of the following items: presses (including forging), forging machines (except presses), punching and shearing machines (power), bending and forming machines (power), and riveting machines (except hand-held portable types).

^b Preliminary plan fulfillment report.

Table 85

PRODUCTION OF ANTIFRICTION BEARINGS IN THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-57

Country	Million Units					
	1938	1950	1954	1955	1956	1957
Sino-Soviet Bloc ^a	47.8	104	212	255	309	349
USSR.....	42.5	93.3	183	218	263	296
Communist China.....	<i>Negl.</i>	0.3	1.0	2.5	^b 4.0	^b 5.0
European Satellites.....	5.3	9.9	27.4	34.6	42.0	47.7
Czechoslovakia.....	<i>Negl.</i>	5.9	10.2	14.3	18.0	^b 20.0
East Germany.....	5.3	3.3	12.5	14.0	^b 15.5	^b 18.0
Hungary.....	0	0	1.0	1.3	1.7	^b 2.0
Poland.....	0	0.5	2.6	3.3	4.7	5.2
Rumania.....	<i>Negl.</i>	0.2	1.1	1.7	2.1	^b 2.5

^a No production in countries of the Sino-Soviet Bloc which are not listed.^b Preliminary.

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Table 86

PRODUCTION OF TEXTILE MACHINERY IN THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-57

Thousand Units						
Country	1938	1950	1954	1955	1956	1957
<i>Spinning Machines</i>						
USSR.....	^a 0.884	1.96	1.89	2.04	1.65	1.88
Communist China ^b	<i>n a</i>	64	400	500	<i>n a</i>	<i>n a</i>
<i>Looms</i>						
USSR.....	^a 4.1	8.7	17.3	16.0	13.8	14.4
Communist China.....	<i>n a</i>	^c 4	13	8	<i>n a</i>	<i>n a</i>

^a 1937.^b Spindles (not machines).^c 1951.

Table 87

PRODUCTION OF METALLURGICAL EQUIPMENT IN THE SINO-SOVIET BLOC,^a 1938, 1950, AND 1954-57

Thousand Metric Tons						
Country	1938	1950	1954	1955	1956	1957
USSR.....	17.0	111	154	172	177	164
Communist China.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>n a</i>	6
Czechoslovakia.....	<i>n a</i>	20.3	44.2	37.3	29.5	<i>n a</i>
Poland.....	<i>n a</i>	^b 3.59	<i>n a</i>	22.9	16.5	<i>n a</i>

^a No production in North Korea, North Vietnam, Albania, or Bulgaria.^b 1949.

Table 88

PRODUCTION OF GRAIN COMBINES,^a 1938, 1950, AND 1954-57

Thousand Units						
Country	1938	1950	1954	1955	1956	1957
UK.....	0	4.32	6.12	6.21	5.09	6.88
US.....	^b 41.5	116	58.1	63.7	42.2	<i>n a</i>
Sino-Soviet Bloc ^c	22.9	46.3	40.3	51.2	86.4	<i>n a</i>
USSR.....	22.9	46.3	38.6	48.0	81.8	131
Communist China.....	0	0	0	0.002	^d 0.020	<i>n a</i>
European Satellites.....	0	0.016	1.67	3.20	4.56	<i>n a</i>
Bulgaria.....	0	0.001	0.303	0.300	0.600	<i>n a</i>
Czechoslovakia.....	0	0	0.003	0.005	0.420	<i>n a</i>
East Germany.....	0	0	0.400	1.05	1.37	<i>n a</i>
Hungary.....	0	0.005	0.925	1.54	1.40	^e 0.154
Poland.....	0	0	0.040	0.300	0.662	^f 0.354
Rumania.....	0	0.010	0	0.002	0.100	<i>n a</i>

^a Tractor-drawn and self-propelled.^b 1939.^c No production in countries of the Sino-Soviet Bloc which are not listed.^d Plan.^e January-March.^f January-June.

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MACHINERY INDUSTRY

Table 89

PRODUCTION OF TRACTORS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country								Thousand Units	
	1938	1946	1950	1954	1955	1956	1957	1958 Esti- mate	1960 Plan
NATO ^a	35.4	319	739	599	751	629	<i>n a</i>	<i>n a</i>	....
US ^b	<i>n a</i>	252	545	297	379	283	<i>n a</i>	<i>n a</i>	....
Sino-Soviet Bloc ^c	52.1	19.6	136	164	200	225	243	249	371
USSR.....	49.2	13.3	109	135	163	184	204	243	322
Communist China.....	0	0	0	0	0	0	<i>Negl.</i>	6.00	<i>n a</i>
European Satellites.....	2.91	6.32	27.0	28.5	36.6	41.2	39.3	40.7	48.6
Czechoslovakia.....	^d 0.208	^e 5.60	10.4	8.26	12.6	18.0	21.2	24.0	28.3
East Germany.....	^f <i>n a</i>	<i>n a</i>	5.17	8.74	7.79	6.95	2.50	2.00	<i>n a</i>
Hungary.....	^d 0.7	0.17	4.13	3.70	4.66	3.5	3.5	3.5	9.7
Poland.....	0	^e 0.15	3.80	7.81	8.05	8.51	6.86	6.0	10.6
Rumania.....	2.00	^e 0.40	3.7	<i>n a</i>	3.50	4.20	5.2	5.2	<i>n a</i>

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
France.....	77.9	92.3	UK.....	111	147	West Germany ^a	134	118
Italy.....	22.6	<i>n a</i>						

^a Including France, Italy, the UK, the US (except 1938), and West Germany. The 1946 total includes 1947 data for Italy, the UK, and West Germany.

^b Data refer to deliveries and not to production.

^c No production in countries of the Sino-Soviet Bloc which are not listed.

^d 1937.

^e 1947.

^f Prewar estimate omitted because of lack of comparability in data.

^g Excluding tracklaying tractors.

Table 90

PRODUCTION OF TRACTOR CULTIVATORS, 1938, 1950, AND 1954-57

Country							Thousand Units	
	1938	1950	1954	1955	1956	1957		
UK ^b	3.54	22.5	12.1	10.1	8.25	<i>n a</i>		
US ^c	^d 65.5	248	82.0	117	106	<i>n a</i>		
Sino-Soviet Bloc ^e	<i>n a</i>	<i>n a</i>	104	124	<i>n a</i>	<i>n a</i>		
USSR.....	^f 68.1	98.9	93.8	113	148	208		
European Satellites.....	<i>n a</i>	<i>n a</i>	10.1	10.9	<i>n a</i>	<i>n a</i>		
Bulgaria.....	0	1.54	1.78	1.32	1.82	<i>n a</i>		
East Germany.....	<i>n a</i>	^g 1.13	1.52	1.83	<i>n a</i>	<i>n a</i>		
Hungary.....	<i>n a</i>	<i>n a</i>	2.15	2.80	<i>n a</i>	<i>n a</i>		
Poland.....	<i>n a</i>	<i>n a</i>	4.63	5.00	4.75	<i>n a</i>		

^a Including tractor-drawn and mounted.

^b Listed as "cultivators or grubbers," with no specific indication that all are tractor powered.

^c Standard row-cultivators; excluding field cultivators or special cultivators for beets, beans, or vegetables.

^d 1939.

^e No production in North Korea, North Vietnam, or Albania. No production in Rumania in 1938 or in Communist China in 1938 and 1950; information for these two countries for later years is not available.

^f 1937.

^g 1951.

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Table 91

PRODUCTION OF MOLDBOARD PLOWS,^a 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
UK.....	5.16	52.1	29.7	26.6	19.5	22.4
US.....	^b 98.7	342	117	141	102	<i>n a</i>
Sino-Soviet Bloc ^c	<i>n a</i>	<i>n a</i>	121	133	<i>n a</i>	<i>n a</i>
USSR.....	^d 96.4	122	101	103	124	128
European Satellites.....	<i>n a</i>	<i>n a</i>	19.9	29.8	<i>n a</i>	<i>n a</i>
Bulgaria.....	0	0.900	0.929	1.95	3.37	^e 4.50
Czechoslovakia.....	0	20.8	3.85	9.96	9.79	10.9
East Germany.....	8.53	<i>n a</i>	4.16	3.57	<i>n a</i>	<i>n a</i>
Hungary.....	<i>n a</i>	<i>n a</i>	3.70	5.00	7.00	<i>n a</i>
Poland.....	<i>n a</i>	<i>n a</i>	7.26	9.30	13.2	<i>n a</i>

^a Excluding surface (shallow) plows.

^b 1939.

^c No production in countries of the Sino-Soviet Bloc which are not listed. Information for Communist China (1954-57) and for Rumania (1950 and 1954-57) is not available.

^d 1937.

^e Plan.

Table 92

PRODUCTION OF CORN HARVESTING COMBINES,^a 1938, 1950, AND 1954-57

Country	Units					
	1938	1950	1954	1955	1956	1957
US.....	^b 16,000	88,800	35,500	33,900	34,100	<i>n a</i>
Sino-Soviet Bloc ^c	0	0	2,370	4,020	14,600	31,500
USSR.....	0	0	2,360	4,010	14,200	31,400
European Satellites.....	0	0	5	7	435	1,000
Bulgaria.....	0	0	0	1	400	<i>n a</i>
Hungary.....	0	0	5	5	25	^d 1,000
Rumania.....	0	0	0	1	10	<i>n a</i>

^a Corn pickers produced in the US may not be compared directly with corn harvesting combines produced in the Sino-Soviet Bloc. The Bloc combine picks up and chops the corn stalks in addition to picking the ears from the stalks; the US corn picker leaves the corn stalks in the field.

^b 1939.

^c No production in countries of the Sino-Soviet Bloc which are not listed. 1957 information for Czechoslovakia is not available.

^d Plan.

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TRANSPORTATION EQUIPMENT INDUSTRY

Table 93

CONSTRUCTION OF MARITIME VESSELS IN THE SINO-SOVIET BLOC,^a 1950 AND 1954-57

Country	Thousand Gross Register Tons				
	1950	1954	1955	1956	1957
Sino-Soviet Bloc.....	73.1	257	301	357	346
USSR.....	43.0	126	132	177	160
Communist China.....	4.0	17.0	22.0	15.0	21.0
European Satellites ^b	26.1	114	147	165	165
East Germany.....	5.6	40.8	61.1	54.1	55.4
Hungary ^c	13.8	16.3	15.6	21.3	12.3
Poland.....	6.7	57.2	70.0	89.6	97.0

^a Data refer to ocean-going tankers, cargo and passenger ships, self-propelled and non-self-propelled barges and harbor craft. Data represent tonnage put in place during the year and thus may differ from compilations based on ships launched or completed.

^b Only European Satellites whose outputs are significant percentages of total European Satellite construction are listed.

^c Including floating cranes.

Table 94

LAUNCHINGS^a OF MARITIME VESSELS IN THE NATO COUNTRIES, 1938, 1950, AND 1954-57

Country	Thousand Gross Register Tons					
	1938	1950	1954	1955	1956 ^b	1957 ^b
NATO ^c	2,350	2,730	4,140	3,770	4,090	4,960
US.....	201	437	477	73.0	169	359
Belgium.....	30.2	66.3	125	81.1	92.3	114
Canada.....	10.6	40.2	52.9	21.7	21.0	34.4
Denmark.....	158	126	130	154	130	171
France.....	47.3	181	267	326	298	428
Italy.....	93.5	107	162	167	358	485
Netherlands.....	240	228	411	397	450	476
Norway.....	54.7	53.4	138	141	171	239
Portugal.....	2.18	7.42	8.08	5.80	15.0	9.7
UK.....	1,030	1,320	1,410	1,470	1,380	1,410
West Germany.....	481	155	963	929	1,000	1,230

^a Data refer to total gross register tonnage of all merchant vessels of 100 gross tons or more which were launched excluding those which are non-self-propelled. Although tonnage launched is not strictly comparable to tonnage constructed as used in Table 93, data in Table 93 and this table may be compared where only rough accuracy is required.

^b Preliminary.

^c Excluding Greece, Iceland, Luxembourg, and Turkey.

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TRANSPORTATION EQUIPMENT INDUSTRY

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Table 95

CONSTRUCTION OF INLAND AND FISHING VESSELS IN THE SINO-SOVIET BLOC,* 1950-57

	1950	1951	1952	1953	1954	1955	1956	1957
<i>Inland—Self-Propelled</i>								
	Thousand Horsepower							
Sino-Soviet Bloc.....	71.5	79.3	71.5	87.3	127	145	143	176
USSR.....	48.9	50.9	53.4	59.7	64.6	72.6	84.0	99.5
Communist China.....	13.0	16.0	4.0	4.0	14.0	26.0	24.0	29.0
European Satellites.....	9.6	12.4	14.1	23.6	48.6	46.8	34.9	47.8
Czechoslovakia.....	7.2	7.2	3.2	8.0	10.4	13.8	13.8	15.9
East Germany.....	0	2.8	4.8	5.8	7.8	6.6	10.7	20.1
Hungary.....	2.4	2.4	6.1	9.8	30.4	26.4	10.4	11.8
<i>Inland—Non-Self-Propelled</i>								
	Thousand Deadweight Tons Carrying Capacity							
Sino-Soviet Bloc.....	740	745	758	729	727	685	582	507
USSR.....	725	730	734	725	686	614	456	355
Communist China.....	12.0	13.0	14.0	1.0	26.0	51.0	93.0	117
European Satellites.....	2.4	2.4	10.2	3.0	14.6	20.0	32.4	34.6
Czechoslovakia.....	2.4	2.4	10.2	3.0	14.6	18.0	24.4	26.6
Hungary.....	0	0	0	0	0	2.0	8.0	8.0
Rumania.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
<i>Fishing</i>								
	Thousand Gross Register Tons							
Sino-Soviet Bloc.....	73.1	102	91.0	68.8	70.4	91.3	91.2	108
USSR.....	9.9	12.5	15.0	17.5	20.0	22.5	31.7	40.9
Communist China.....	0	0	0	0	3.0	6.0	<i>n a</i>	<i>n a</i>
North Korea.....	2.5	2.5	2.0	2.0	3.0	5.0	<i>n a</i>	<i>n a</i>
European Satellites.....	60.7	86.5	74.0	49.3	44.4	57.8	59.5	57.5
East Germany.....	55.4	74.5	66.0	41.3	34.6	48.5	42.9	39.0
Poland.....	5.3	12.0	8.0	8.0	9.8	9.3	16.6	18.5

* Only European Satellites whose outputs are significant percentages of total Satellite output are listed.

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TRANSPORTATION EQUIPMENT INDUSTRY

Table 96

PRODUCTION OF MAINLINE LOCOMOTIVES,^a 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	1938	1946	1950	1954	1955	1956	1957	Physical Units	
								1958 Esti- mate	1960 Plan
NATO ^b	1,460	3,080	6,490	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	.....
US ^c	300	1,680	4,750	1,110	1,180	1,450	1,320	<i>n a</i>	.....
Sino-Soviet Bloc ^d	1,570	<i>n a</i>	1,940	1,090	1,780	1,820	1,090	1,660	2,830
USSR.....	1,250	244	1,210	1,040	982	922	670	1,100	1,630
Communist China.....	0	0	0	52	98	200	160	200	320
North Korea.....	0	0	0	0	0	0	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
European Satellites.....	319	<i>n a</i>	731	520	702	699	257	360	880
Czechoslovakia.....	74	144	221	84	120	83	92	40	100
East Germany.....	^e 100	0	0	14	74	164	20	50	260
Hungary.....	70	<i>n a</i>	213	153	146	121	40	100	200
Poland.....	28	156	241	258	308	278	15	60	190
Rumania.....	47	<i>n a</i>	56	11	54	53	90	110	130

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	362	488	Italy ^f	88	103	UK.....	1,230	1,160
France.....	109	147						

^a Including all types (diesel, diesel-electric, electric, and steam). For detailed data for diesel and electric locomotives, see Tables 97 and 98.

^b Including Belgium (1938 and 1946), Canada, Denmark (except 1938 and 1946), France (excluding electric locomotives), Italy (including self-propelled cars), the UK (1935 instead of 1938), the US, and West Germany (1950). Because of lack of data for West Germany, totals for NATO are not presented for years after 1950. Data refer to the output of railways and private shops for domestic use and export. Locomotives include all railway types regardless of gauge or form of power but exclude mining and industrial locomotives and, unless otherwise noted, self-propelled cars.

^c Data refer to number on order in 1948-50 and to units put into service on first class railways in 1954-57.

^d No production in countries of the Sino-Soviet Bloc which are not listed.

^e Estimated capacity.

^f State railways.

Table 97

PRODUCTION OF MAINLINE DIESEL LOCOMOTIVES, 1938, 1950, AND 1954-57

Country	1938	1950	1954	1955	1956	1957
NATO ^a	<i>n a</i>	2,890	1,780	1,930	2,380	2,230
US ^b	<i>n a</i>	2,370	1,100	1,170	1,440	1,310
Sino-Soviet Bloc ^c	4	125	121	138	224	400
USSR.....	4	125	120	134	216	400
European Satellites.....	0	0	1	4	8	<i>n a</i>
Czechoslovakia.....	0	0	1	2	4	<i>n a</i>
Hungary.....	0	0	0	2	4	<i>n a</i>

NATO COUNTRIES

	1956	1957
UK.....	937	922

^a Including the UK and the US. Data include diesel-electric locomotives.

^b Data refer to units put in service on first class railroads.

^c No production in countries of the Sino-Soviet Bloc which are not listed. Information for Bulgaria, East Germany, and Rumania in 1957 and for Poland in 1956 and 1957 is not available.

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TRANSPORTATION EQUIPMENT INDUSTRY

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Table 98

PRODUCTION OF MAINLINE ELECTRIC LOCOMOTIVES, 1938, 1950, AND 1954-57

Country	Physical Units					
	1938	1950	1954	1955	1956	1957
US ^a	<i>n a</i>	12	10	10	8	4
Sino-Soviet Bloc ^b	32	102	166	221	338	<i>n a</i>
USSR.....	32	102	158	194	216	270
European Satellites.....	0	0	8	27	122	<i>n a</i>
Czechoslovakia.....	0	0	1	3	6	<i>n a</i>
East Germany.....	0	0	4	20	114	<i>n a</i>
Hungary.....	0	0	3	4	2	<i>n a</i>

^a Data refer to units put in service on first class railroads.

^b No production in countries of the Sino-Soviet Bloc which are not listed. Information for Poland and Rumania in 1956-57 is not available.

Table 99

PRODUCTION OF MAINLINE RAILWAY FREIGHT CARS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN

	Thousand Physical Units •								
Country	1938	1946	1950	1954	1955	1956	1957	1958 Esti- mate	1960 Plan
NATO ^b	53.9	116	96.6	122	129	169	181	<i>n a</i>	....
US ^c	17.1	60.0	44.2	38.3	42.1	67.5	100	<i>n a</i>	....
Sino-Soviet Bloc ^d	36.6	40.0	80.8	55.4	71.3	75.2	74.8	<i>n a</i>	<i>n a</i>
USSR.....	24.5	23.6	50.8	23.9	34.4	40.0	38.3	40.0	52.0
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	5.44	9.26	6.30	6.80	10.0	12.0
North Korea.....	0	0	0	0	0	0	<i>Negl.</i>	<i>Negl.</i>	<i>n a</i>
European Satellites.....	12.1	16.4	30.0	26.0	27.6	28.9	29.7	<i>n a</i>	<i>n a</i>
Bulgaria.....	0	0	0	0.7	1.2	1.4	1.5	<i>n a</i>	<i>n a</i>
Czechoslovakia.....	1.65	9.4	2.11	5.71	5.55	5.90	6.50	7.5	8.5
East Germany.....	8	2	6.35	3.24	4.00	4.12	4.00	<i>n a</i>	<i>n a</i>
Hungary.....	1.5	<i>n a</i>	4.0	3.5	3.5	3	1.5	<i>n a</i>	<i>n a</i>
Poland.....	• 0.569	5.04	15.4	11.2	11.9	12.3	13.0	<i>n a</i>	<i>n a</i>
Rumania.....	0.378	<i>n a</i>	2.09	1.7	1.46	2.14	3.2	4.2	5.5

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Canada.....	9.21	<i>n a</i>	Italy ^f	5.16	<i>n a</i>	West Germany...	11.5	5.04
France.....	10.0	7.32	UK.....	70.5	67.8			

^a Physical units include cars of 2, 4, or more axles; the term is used here because it is the form in which NATO, USSR, and European Satellite data currently are being published. Although the European NATO countries are still producing some smaller cars, most US, USSR, and Satellite production now consists of 4-axle units.

^b Including France, the UK, the US, and West Germany (all years); Canada and Italy (except 1957); and Norway (except 1954-57). Unless otherwise noted, data refer to all types of goods-carrying cars except baggage and mail cars.

^c Shipments.

^d No production in countries of the Sino-Soviet Bloc which are not listed.

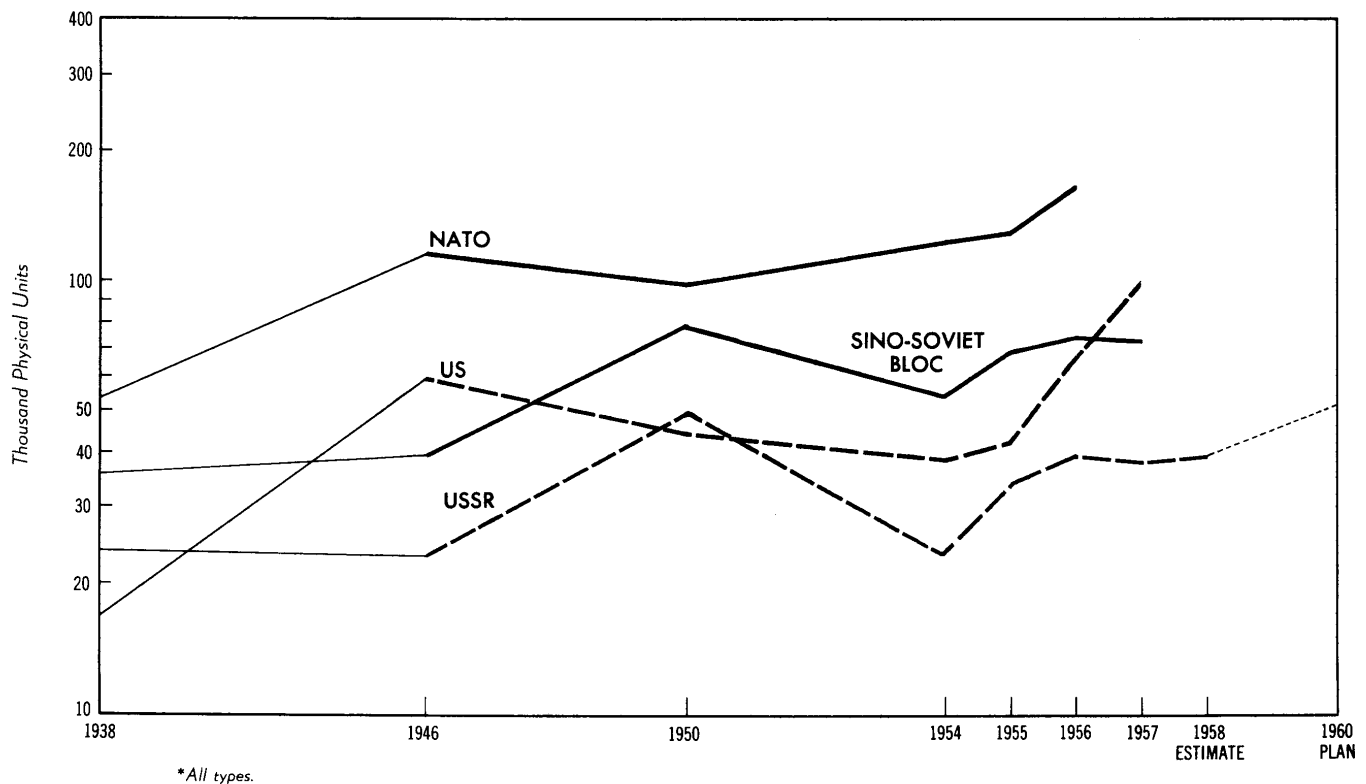
^e Two-axle units.

^f Including railway passenger cars after 1950.

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Figure 15

**COMPARISON OF PRODUCTION OF MAINLINE RAILWAY FREIGHT CARS*
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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TRANSPORTATION EQUIPMENT INDUSTRY

Table 100
PRODUCTION OF RAILWAY PASSENGER CARS, 1938, 1950, AND 1954-57

Country	Physical Units					
	1938	1950	1954	1955	1956	1957
NATO ^a	2,690	4,540	3,250	3,370	3,020	3,390
US.....	352	954	^b 585	^b 983	^b 430	^b 841
Sino-Soviet Bloc ^c	1,280	2,040	3,560	3,750	4,010	<i>n a</i>
USSR.....	1,000	912	1,750	1,770	1,800	1,860
Communist China.....	<i>n a</i>	<i>n a</i>	100	200	300	350
European Satellites.....	276	1,130	1,710	1,780	1,910	<i>n a</i>
Bulgaria.....	0	0	10	10	10	<i>n a</i>
Czechoslovakia.....	^d 129	416	135	111	377	<i>n a</i>
East Germany.....	^e 135	433	798	697	^f 646	^f 946
Hungary.....	<i>n a</i>	113	264	296	280	<i>n a</i>
Poland.....	12	150	463	561	516	<i>n a</i>
Rumania.....	0	20	40	100	80	<i>n a</i>

NATO COUNTRIES

	1956	1957		1956	1957
France.....	254	123	UK.....	2,340	2,420

^a Including France, the UK, and the US. The 1938 total includes 1935 data for the UK.

^b Manufacturers' shipments.

^c No production in countries of the Sino-Soviet Bloc which are not listed.

^d 1937.

^e 1936.

^f Normal and narrow gauge.

Table 101
PRODUCTION OF AUTOMOBILES, 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
NATO ^a	2,920	8,060	7,750	10,700	8,740	8,900
US ^b	2,000	6,670	5,560	7,920	5,810	6,110
Sino-Soviet Bloc ^c	40.6	96.2	121	147	157	194
USSR.....	27.0	64.6	94.7	108	98.0	114
European Satellites.....	13.6	31.6	26.7	38.8	59.3	80.8
Czechoslovakia.....	11.4	24.5	5.38	12.5	25.1	34.6
East Germany.....	^d <i>n a</i>	7.16	19.7	22.2	28.1	36.0
Hungary.....	0.237	0	0	0	0	0
Poland.....	2.00	0	1.68	4.02	6.10	10.2

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Canada.....	374	340	Italy.....	280	310	West Germany.....	909	942
France.....	663	396	UK.....	710	800			

OTHER COUNTRIES

Japan.....	23.6	42.6
------------	------	------

^a Including Canada, France, Italy (except 1938), the UK, the US, and West Germany. Data include all types of motor vehicles usable as private cars but exclude 2- or 3-wheeled motorcycles.

^b Sales from factories, including parts shipped for assembly abroad.

^c No production in countries of the Sino-Soviet Bloc which are not listed.

^d Prewar estimate omitted because of lack of comparability in data.

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TRANSPORTATION EQUIPMENT INDUSTRY

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Table 102

PRODUCTION OF COMMERCIAL VEHICLES,^a 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
NATO ^b	747	1,910	1,740	2,080	1,940	1,950
US ^c	489	1,340	1,040	1,250	1,100	1,100
Sino-Soviet Bloc ^d	207	310	355	384	421	432
USSR.....	184	298	309	338	367	382
Communist China ^e	0	0	0	0	1.65	7.50
European Satellites.....	22.5	11.9	45.3	46.8	52.0	42.8
Czechoslovakia.....	^f 2.02	6.96	14.0	11.7	12.3	13.0
East Germany ^e	^g 19.1	1.00	12.2	14.2	17.2	13.0
Hungary.....	^h 0.553	2.94	5.36	5.01	4.00	<i>n a</i>
Poland.....	^h 0.82	^h 0.96	12.9	12.9	13.4	11.6
Rumania ^e	0	0	0.82	3.05	5.12	5.20

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Canada.....	99.2	71.5	Italy.....	36.2	33.8	West Germany...	227	253
France.....	179	204	UK.....	297	288			

OTHER COUNTRIES

Austria.....	4.6	4.2	Japan.....	78.8	135
--------------	-----	-----	------------	------	-----

^a Including light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.^b Including Canada, France, Italy, the UK, the US, and West Germany.^c Factory sales, including parts shipped for assembly abroad.^d No production in countries of the Sino-Soviet Bloc which are not listed.^e Production of trucks only.^f 1937.^g 1936.

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TRANSPORTATION

Table 103

RAILWAY FREIGHT TRAFFIC, 1938, 1946, 1950, 1954-58, 1960 PLAN, AND 1962 PLAN

Country	Billion Metric Ton-Kilometers									
	1938	1946	1950	1954	1955	1956	1957	1958 Esti- mate	1960 Plan	1962 Plan
NATO ^a	584	<i>n a</i>	1,090	1,050	1,180	1,240	<i>n a</i>	<i>n a</i>	.....	.....
US.....	424	924	859	802	910	945	902	900	^b 983	^b 1,070
Sino-Soviet Bloc.....	454	<i>n a</i>	731	1,080	1,210	1,350	1,500	1,650	1,970	^b 2,180
USSR.....	370	338	602	857	971	1,080	1,210	^b 1,330	^b 1,600	1,740
Communist China..	19.0	^c 3.76	39.4	93.2	98.1	120	135	152	^b 191	^b 239
North Korea.....	<i>n a</i>	0.652	^d 3.40	2.68	3.80	4.30	5.52	5.98	^e 7.3	7.75
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	0.123	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.	65.5	<i>n a</i>	85.8	127	139	144	155	161	175	192
Albania.....	0	<i>n a</i>	0.009	0.016	0.019	0.019	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
Bulgaria.....	^f 1.11	<i>n a</i>	2.58	3.84	4.12	4.48	4.61	5.30	5.45	5.60
Czechoslovakia....	^g 11.1	<i>n a</i>	18.6	28.5	31.7	34.3	36.7	38.9	42.7	48.3
East Germany.....	22.1	<i>n a</i>	16.5	26.5	28.7	29.6	30.8	32.0	^b 34.7	37.6
Hungary.....	^h 3.04	<i>n a</i>	5.41	8.15	8.78	8.16	9.50	10.2	11.0	12.7
Poland.....	22.4	19.5	35.1	48.2	52.0	52.1	55.1	56.6	60.8	64.1
Rumania.....	5.75	<i>n a</i>	7.61	11.5	14.1	15.3	18.3	18.3	20.7	23.3

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium ^b	6.56	6.86	Italy ⁱ ^k	14.6	14.7	Portugal.....	0.724	0.761
Canada.....	96.6	115	Luxembourg ^k	0.612	0.649	Turkey ^k	3.97	4.44
Denmark ⁱ	1.19	1.25	Netherlands ^b ^k	3.44	3.56	UK ^j	34.9	35.1
France.....	46.8	50.2	Norway ⁱ ^k	1.48	1.51	West Germany ^j	58.1	61.6
Greece ^j	0.343	0.347						

OTHER COUNTRIES

India ^j	55.1	62.3	Spain ⁱ	7.63	8.21	Yugoslavia ^j	11.6	11.9
Japan ⁱ	42.0	46.3	Sweden ⁱ	9.66	10.3			

^a Excluding Iceland. Data refer to net metric ton-kilometers and include all goods and livestock carried by trains other than plantation, industrial, mining, funicular, and cable railways but exclude service traffic, mail, baggage, and nonrevenue government stores. The 1938 total includes data for 1936 for West Germany.

^b Estimated.

^c Data for mainland China only, excluding Manchuria (for which data were not available).

^d 1949.

^e 1961 Plan.

^f 1939.

^g 1937.

^h Full carloads only.

ⁱ State railways only.

^j Including service traffic.

^k Excluding livestock.

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Table 104

RAILWAY FREIGHT TRAFFIC, 1938, 1946, 1950, 1954-58, 1960 PLAN, AND 1962 PLAN

Country	Million Metric Tons Originated									
	1938	1946	1950	1954	1955	1956	1957	1958 Esti- mate	1960 Plan	1962 Plan
NATO ^a	1,740	<i>n a</i>	1,930	1,870	2,360	2,540	<i>n a</i>	<i>n a</i>	.....	.....
US.....	845	1,270	1,230	1,340	1,270	1,360	1,300	1,300	^b 1,410	^b 1,540
Sino-Soviet Bloc.....	922	<i>n a</i>	1,410	2,000	2,200	2,370	2,550	2,710	3,130	<i>n a</i>
USSR.....	516	454	834	1,130	1,270	1,370	1,480	1,590	^b 1,830	^b 2,100
Communist China..	72.8	^c 23.2	99.5	193	193	246	274	310	^b 389	^b 488
North Korea.....	<i>n a</i>	3.27	^d 16.3	14.4	16.8	18.3	24.0	26.0	^e 32	^b 34
European Satellites.	333	<i>n a</i>	464	667	722	730	780	787	878	<i>n a</i>
Bulgaria.....	^f 6.11	7.24	14.0	22.9	23.7	25.5	26.4	<i>n a</i>	<i>n a</i>	<i>n a</i>
Czechoslovakia...	^g 70.1	<i>n a</i>	96.0	128	140	149	162	174	200	<i>n a</i>
East Germany....	^h 131	<i>n a</i>	128	191	208	210	219	228	247	<i>n a</i>
Hungary.....	^g 24.4	<i>n a</i>	40.9	63.3	67.8	57.1	72.5	76.9	84.6	91.5
Poland ⁱ	75.0	67.0	150	210	224	226	236	243	270	<i>n a</i>
Rumania.....	26.3	<i>n a</i>	35.1	51.8	59.0	62.0	64.0	65.5	76.5	<i>n a</i>

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium ^j	68.9	70.0	Italy ^l ^m	50.1	53.8	Portugal.....	3.89	4.01
Canada.....	152	^k 193	Luxembourg ^m	17.6	18.5	Turkey ^m	12.0	13.7
Denmark ^l	5.96	6.50	Netherlands ^j ^m	25.6	26.5	UK ⁿ	279	281
France.....	192	204	Norway ^m	7.02	^k 5.89	West Germany ⁿ	283	300
Greece ⁿ	2.45	2.26						

OTHER COUNTRIES

India ^l	110	118	Spain ^l	29.3	31.5	Yugoslavia ⁿ	50.2	52.1
Japan ^l	152	165	Sweden ^l	40.8	42.5			

^a The 1938 total does not include Luxembourg. Goods carried by more than one railway in the same country are counted only once. Excluding service traffic, mail, baggage, and nonrevenue government stores.

^b Estimated.

^c Data for mainland China only, excluding Manchuria (for which data were not available).

^d 1949.

^e 1961 Plan.

^f 1939.

^g 1937.

^h 1936.

ⁱ Standard-gauge railways only.

^j Full carloads only.

^k Including duplication of freight handled on more than one railway.

^l State railways only.

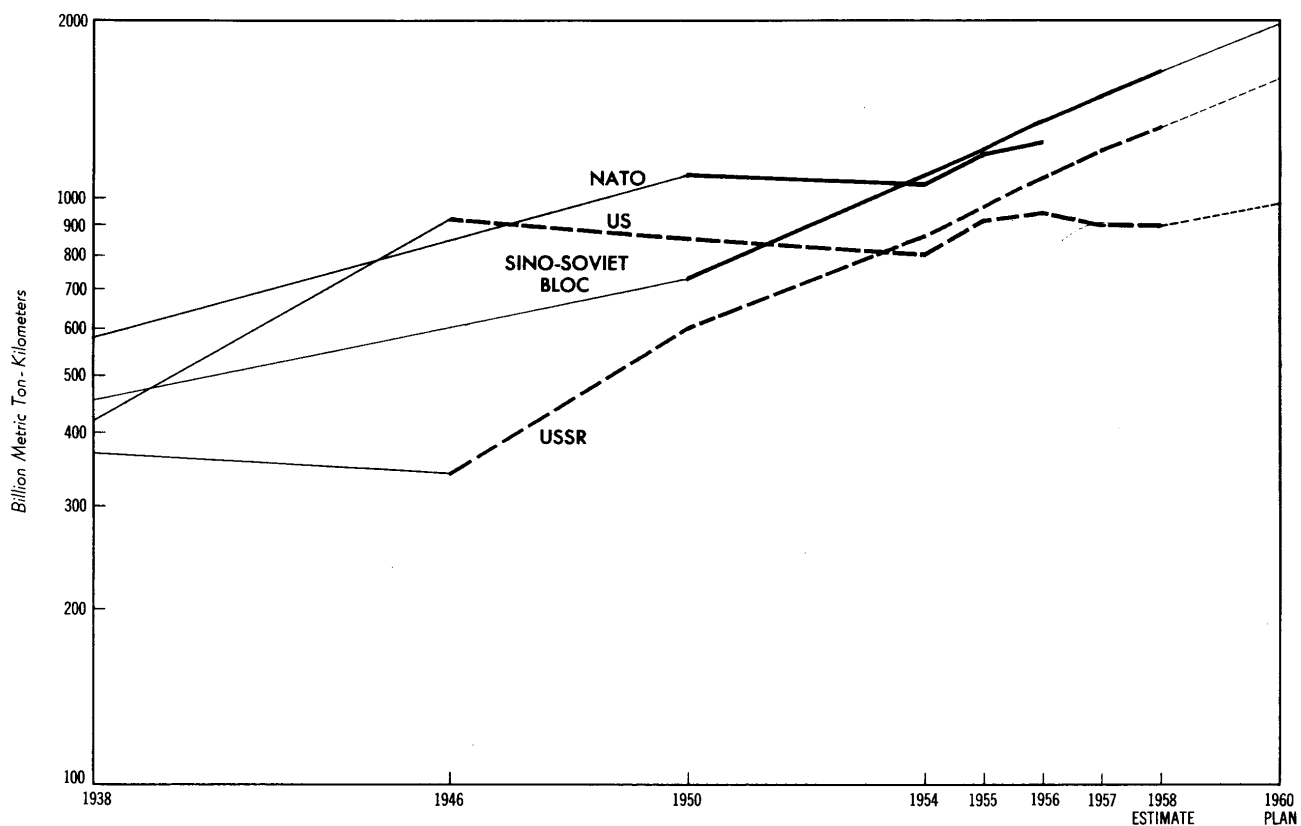
^m Excluding livestock.

ⁿ Including service traffic.

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Figure 16

**COMPARISON OF RAILWAY FREIGHT TRAFFIC
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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Table 105
HIGHWAY FREIGHT TRAFFIC,^a 1938, 1950, AND 1954-57

Country	Million Metric Ton-Kilometers					
	1938	1950	1954	1955	1956	1957
US ^b	77,700	252,000	313,000	330,000	348,000	365,000
Sino-Soviet Bloc ^c	<i>n a</i>	<i>n a</i>	49,500	56,600	64,500	<i>n a</i>
USSR.....	6,800	20,100	37,500	42,500	48,500	54,800
Communist China.....	<i>n a</i>	373	1,870	2,520	3,500	3,790
North Korea.....	<i>n a</i>	^d 35.0	95.6	139	131	<i>n a</i>
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	31.0	<i>n a</i>
European Satellites.....	1,100	<i>n a</i>	10,000	11,400	12,300	<i>n a</i>
Albania.....	9.9	46.5	98.6	122	137	<i>n a</i>
Bulgaria.....	^e 48.0	288	599	735	831	832
Czechoslovakia ^f	^e 121	<i>n a</i>	2,590	2,730	3,080	<i>n a</i>
East Germany.....	800	1,940	2,940	3,190	3,500	3,650
Hungary.....	110	237	826	868	809	601
Poland ^h	<i>n a</i>	1,020	2,850	3,500	3,650	3,380
Rumania.....	8	42	97	272	286	<i>n a</i>

NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Denmark.....	2,300	2,600	Italy.....	<i>n a</i>	26,700	UK.....	ⁱ 31,000	33,200
France.....	<i>n a</i>	21,500	Norway.....	<i>n a</i>	800	West Germany.....	ⁱ 21,000	25,200

^a Including traffic by trucks, whether on improved roads or not, but excluding primitive modes of transportation.

^b Intercity ton-kilometers only.

^c Ton-kilometer data for the Sino-Soviet Bloc may not be compared with ton-kilometer data for NATO, inasmuch as the former are performed principally in intracity movement, whereas the US data (which would comprise most of the NATO total) relate entirely to intercity movement. Data for Bloc countries may be compared, however, with other countries of NATO.

^d 1949.

^e 1939.

^f Including state highway transportation enterprises and factory highway transportation.

^g 1937.

^h Including state automobile transportation; cooperative transportation; branch enterprises for automobile transportation; and transport for industries, plants, and offices; and the like.

ⁱ 1952.

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Table 106

INLAND WATER FREIGHT TRAFFIC, 1938, 1950, AND 1954-57

Country	Million Metric Ton-Kilometers					
	1938	1950	1954	1955	1956	1957
NATO ^a	<i>n a</i>	<i>n a</i>	204,000	239,000	^b 276,000	<i>n a</i>
US ^c	32,900	95,700	153,000	181,000	213,000	<i>n a</i>
Sino-Soviet Bloc.....	<i>n a</i>	51,600	76,000	84,100	89,100	<i>n a</i>
USSR.....	<i>n a</i>	45,900	62,400	67,400	70,200	76,000
Communist China.....	<i>n a</i>	1,680	7,890	10,400	12,900	15,700
North Korea ^d	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
North Vietnam ^d	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	8,140	3,970	5,700	6,290	6,010	<i>n a</i>
Albania.....	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>n a</i>
Bulgaria.....	<i>n a</i>	158	327	372	395	<i>n a</i>
Czechoslovakia.....	1,640	764	1,260	1,480	1,470	1,500
East Germany.....	4,500	1,580	1,740	2,170	2,270	2,500
Hungary.....	500	538	906	847	753	860
Poland.....	456	264	574	774	627	645
Rumania.....	1,040	669	892	648	496	<i>n a</i>

NATO COUNTRIES

	1955	1956 ^b		1955	1956 ^b		1955	1956 ^b
Belgium.....	4,620	4,490	Netherlands.....	15,300	16,700	West Germany....	28,600	32,000
France.....	8,920	9,270	UK.....	300	300			

^a Including Belgium, France, the Netherlands, the UK, the US, and West Germany.

^b Preliminary.

^c Excluding traffic on the Great Lakes. The 1938 figure includes some duplication of reporting. Reporting coverage increased slightly after 1952.

^d Included with ocean freight traffic in Table 107.

Table 107

OCEAN FREIGHT TRAFFIC OF THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-57

Country	Million Metric Ton-Kilometers ^a					
	1938	1950	1954	1955	1956	1957
Sino-Soviet Bloc.....	<i>n a</i>	50,800	79,300	96,300	112,000	130,000
USSR ^b	<i>n a</i>	39,700	56,600	68,900	82,400	92,300
Communist China.....	<i>n a</i>	822	8,040	8,380	8,600	11,100
North Korea ^c	<i>n a</i>	^d 19.0	8.05	12.4	16.4	<i>n a</i>
North Vietnam ^c	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	137	<i>n a</i>
European Satellites.....	6,800	10,300	14,600	19,000	20,900	26,400
Albania ^c	20	20	30	40	39	42
Bulgaria ^c	738	516	655	688	906	1,250
Czechoslovakia.....	0	0	288	1,140	1,320	1,320
East Germany ^c	0	<i>Negl.</i>	46	480	412	900
Hungary.....	1,110	57	128	139	239	300
Poland.....	2,600	9,090	12,500	15,800	17,400	22,000
Rumania ^c	2,340	611	980	711	628	621

^a Range of error: plus or minus 30 percent.

^b Including Caspian Sea and Danube River traffic.

^c Including both coastal and inland water freight traffic.

^d 1949.

^e Including both coastal and international freight traffic.

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Table 108

INVENTORY OF MERCHANT FLEET,^a 1939, 1950, AND 1955-57

Country	1939		1950		1955		1956		1957	
	Num- ber	1,000 GRT	Num- ber	1,000 GRT	Num- ber	1,000 GRT	Num- ber	1,000 GRT	Num- ber	1,000 GRT
NATO.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	65,700	<i>n a</i>	68,200	<i>n a</i>	69,600
US ^b	1,380	8,130	3,400	25,300	3,150	24,200	3,240	24,800	3,030	24,500
Sino-Soviet Bloc ^c	524	1,600	614	2,160	834	2,830	874	2,960	931	3,260
USSR ^d	354	1,140	515	1,840	679	2,310	705	2,400	727	2,580
Communist China.....	• 100	• 204	41	103	62	151	72	171	89	205
European Satellites.....	70	261	58	212	93	366	97	385	115	479
Bulgaria.....	8	22	4	10	5	12	7	23	9	30
Czechoslovakia.....	0	0	0	0	3	17	3	17	3	17
East Germany.....	0	0	0	0	3	8	5	17	6	23
Hungary.....	6	23	1	1	3	4	4	5	5	6
Poland.....	31	114	46	170	70	290	69	289	83	369
Rumania.....	25	102	7	31	9	34	9	34	9	34

NATO COUNTRIES

(1,000 GRT)

	1956	1957		1956	1957		1956	1957
Belgium.....	483	520	Iceland.....	38	50	Portugal.....	419	409
Canada.....	362	328	Italy.....	3,930	4,310	Turkey.....	534	530
Denmark.....	1,530	1,720	Netherlands.....	3,540	3,850	UK.....	17,400	17,900
France.....	3,680	3,760	Norway.....	7,560	8,150	West Germany.....	2,730	3,070
Greece.....	1,260	1,450						

OTHER COUNTRIES

Egypt.....	114	113	India.....	520	551	Yugoslavia.....	250	315
Finland.....	701	713						

^a Including vessels of 1,000 gross register tons (GRT) or more.^b 1950-57 figures include inactive reserve fleet.^c North Korea, North Vietnam, and Albania have no vessels of more than 1,000 GRT.^d Excluding Caspian fleet. 1950-56 data may be about 10 percent lower compared with 1957 because two different sources are used.

• Fleet of Nationalist China.

Table 109

INVENTORY OF RIVER FLEET IN THE USSR
1945, 1950, AND 1954-57

Year	Self-propelled		Non-self-propelled	
	Number	Thou- sand Horse- power	Number	Cargo-carry- ing Capacity (Million Met- ric Tons)
1945.....	3,150	610	5,640	3.8
1950.....	<i>n a</i>	910	<i>n a</i>	6.8
1954.....	<i>n a</i>	1,200	<i>n a</i>	9.2
1955.....	<i>n a</i>	1,300	<i>n a</i>	9.7
1956.....	<i>n a</i>	1,410	<i>n a</i>	10.0
1957.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>

TRANSPORTATION

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Table 110
INVENTORY OF LOCOMOTIVES,^a 1938, 1950, AND 1954-57

Country	1938	1950	1954	1955	1956	Units 1957
NATO ^b	<i>n a</i>	<i>n a</i>	90,300	89,400	87,900	<i>n a</i>
US.....	46,500	43,000	35,000	33,500	32,600	^c 32,500
USSR ^d	24,600	29,800	32,600	33,800	34,300	34,300
Communist China.....	<i>n a</i>	<i>n a</i>	3,420	3,500	3,680	3,850
North Korea ^e	<i>n a</i>	^f 823	^g 482	<i>n a</i>	^h 610	<i>n a</i>
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	60	<i>n a</i>	<i>n a</i>
Bulgaria.....	ⁱ 482	<i>n a</i>	608	614	624	624
Czechoslovakia.....	<i>n a</i>	<i>n a</i>	^j 5,030	5,130	5,090	<i>n a</i>
East Germany.....	^k 6,800	6,760	6,480	<i>n a</i>	^l 6,480	6,020
Hungary.....	1,850	<i>n a</i>	1,820	1,860	2,000	<i>n a</i>
Poland.....	5,290	<i>n a</i>	5,600	5,600	5,600	<i>n a</i>
Rumania.....	3,420	<i>n a</i>	2,500	2,440	2,390	<i>n a</i>

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	2,100	2,090	Italy.....	5,660	5,550	Portugal ⁿ	509	<i>n a</i>
Canada.....	4,560	<i>n a</i>	Luxembourg.....	130	125	Turkey.....	997	993
Denmark.....	660	649	Netherlands.....	760	751	UK.....	18,600	18,200
France.....	10,200	10,000	Norway.....	533	523	West Germany....	11,000	11,000
Greece ^m	206	<i>n a</i>						

OTHER COUNTRIES

Finland.....	815	822	Japan.....	5,470	5,420	Yugoslavia.....	2,340	2,260
India.....	8,800	<i>n a</i>	Spain.....	3,580	<i>n a</i>			

^a Including diesel-electric, steam, and electric locomotives. Unless otherwise noted, Bloc data are as of the end of the year. Because of a lack of complete data, Sino-Soviet Bloc totals have been omitted.

^b Excluding Iceland. The 1956 total includes 1955 data for Canada, Greece, and Portugal. The 1954 total includes 1953 data for Canada.

^c Preliminary. About 90 percent of these locomotives are diesel-electric and electric units.

^d Mainline locomotives only. About 90 percent of these locomotives are steam locomotives.

^e Excluding narrow-gauge locomotives.

^f 1949.

^g 1953.

^h Plan.

ⁱ 1939.

^j As of 1 January.

^k 1936.

^l As of July.

^m State railways only.

ⁿ Inventory of electric locomotives not available.

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TRANSPORTATION

Table 111
INVENTORY OF RAILWAY FREIGHT CARS,^a 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
US ^b	2,020	2,010	2,040	2,000	2,100	^c 2,020
USSR ^d	781	1,050	1,240	1,380	1,450	1,520
Communist China ^e	46.8	<i>n a</i>	68	74	81	86
North Korea ^e	<i>n a</i>	<i>n a</i>	<i>n a</i>	12.8	<i>n a</i>	<i>n a</i>
North Vietnam	<i>n a</i>	<i>n a</i>	<i>n a</i>	0.7	<i>n a</i>	<i>n a</i>
Bulgaria	^f 10.9	<i>n a</i>	15.9	16.8	17.6	<i>n a</i>
Czechoslovakia ^g	<i>n a</i>	<i>n a</i>	118	119	122	^h 122
East Germany	<i>n a</i>	99.8	142	146	<i>n a</i>	141
Hungary	42.6	<i>n a</i>	55.0	56.3	52.0	<i>n a</i>
Poland	153	^b 135	^b 165	^b 167	^b 173	<i>n a</i>
Rumania	63.1	<i>n a</i>	56.2	56.4	56.6	<i>n a</i>

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium	76.5	77.0	Italy	131	130	Portugal	10.1	<i>n a</i>
Canada	202	<i>n a</i>	Luxembourg	3.70	3.60	Turkey	17.1	17.2
Denmark ⁱ	13.9	13.6	Netherlands	24.3	24.1	UK	1,120	1,120
France	377	370	Norway	12.6	12.6	West Germany	287	297
Greece ⁱ	5.14	<i>n a</i>						

OTHER COUNTRIES

Finland	26.9	27.6	Japan ⁱ	107	106	Yugoslavia	67.1	68.2
India ^j	234	<i>n a</i>	Spain	85.8	<i>n a</i>			

^a Data refer to either 2- or 4-axle units, and the size is given in the footnotes if it is known. Because of lack of comparability in data, NATO and Sino-Soviet Bloc totals are omitted. Unless otherwise noted, data are as of the end of the year.

^b All freight cars in the US have four axles.

^c Preliminary.

^d Equivalent 2-axle units.

^e Most Chinese and North Korean cars have four axles.

^f 1939.

^g As of 1 January.

^h Average number of freight cars in use during the year.

ⁱ State railways cars only.

^j Including service vehicles.

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TRANSPORTATION

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Table 112
INVENTORY OF TRUCKS,^a 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
NATO ^b	<i>n a</i>	<i>n a</i>	14,000	14,700	15,400	<i>n a</i>
US.....	^c 4,280	^c 8,380	^c 9,550	9,970	10,300	10,600
USSR.....	547	602	1,120	1,280	1,450	1,640
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	80.0	<i>n a</i>
North Korea.....	<i>n a</i>	2	18	20	<i>n a</i>	<i>n a</i>
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	3	<i>n a</i>
Bulgaria.....	^d 2.32	<i>n a</i>	6.75	7.45	8.30	<i>n a</i>
Czechoslovakia.....	<i>n a</i>	<i>n a</i>	^e 11.6	<i>n a</i>	<i>n a</i>	^e 20.2
East Germany.....	95.2	75.2	88.5	92.0	100	122
Hungary.....	3.80	<i>n a</i>	<i>n a</i>	<i>n a</i>	9.90	10.3
Poland ^f	^d 8.61	39.5	65.1	77.7	83.8	<i>n a</i>
Rumania.....	4.07	9.61	<i>n a</i>	<i>n a</i>	15.0	<i>n a</i>

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	^a 132	146	Iceland ^c	5.50	<i>n a</i>	Portugal.....	35.9	<i>n a</i>
Canada.....	930	977	Italy.....	413	489	Turkey.....	35.5	<i>n a</i>
Denmark.....	99.3	108	Luxembourg.....	6.31	6.58	UK.....	1,120	1,180
France ^b	1,160	1,250	Netherlands.....	102	117	West Germany.....	615	627
Greece.....	^a 19.2	<i>n a</i>	Norway.....	79.9	83.7			

^a NATO data are based on census or registration numbers of civilian vehicles in the years for which those figures are available; for other years the officially estimated number of vehicles in use is shown. Unless otherwise noted, Bloc data are for civilian vehicles as of the end of the year. Because of the lack of complete data, Sino-Soviet Bloc totals have been omitted.

^b The 1955 total includes late 1954 estimates for Belgium and Greece. The 1956 total includes 1955 data for Iceland, Portugal, and Turkey and 1954 data for Greece.

^c Including buses.

^d 1939.

^e As of 1 January. Including trucks, tractors, and trailers held by Ceskoslovenske Automobilova Doprava (Czechoslovak Bus and Trucking Co.).

^f As of 1 January of year stated.

^a Late 1954 estimate.

^b Including 15,800 road tractors for 1955 and 17,700 road tractors for 1956.

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CONSTRUCTION

Table 113

VOLUME OF CONSTRUCTION, 1938, 1950, AND 1954-57

Country	Unit of Measure	Value ^a					
		1938	1950	1954	1955	1956	1957
US.....	Billions of 1947-49 US\$.....	13.5	26.6	31.1	34.5	34.9	34.5
USSR.....	Billions of July 1955 rubles.....	27.6	54.7	88.8	94.3	107	123
Albania ^b	Billions of 1955 leks.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	2.15	2.80
Bulgaria ^b	Billions of 1 April 1956 leva.....	<i>n a</i>	1.75	2.88	2.78	2.51	2.04
Czechoslovakia.....	Billions of 1956 crowns.....	7.7	11.1	17.4	17.9	20.1	20.8
East Germany ^c	Billions of 1950 Deutsche marks.....	<i>n a</i>	1.58	2.72	2.92	3.18	3.56
Poland ^d	Billions of 1956 zlotys.....	^e 14.5	15.2	34.8	36.0	36.8	40.0
Rumania ^f	Billions of 1 January 1955 lei.....	<i>n a</i>	2.85	6.20	6.83	8.04	6.30

^a Because of the difficulty of determining valid exchange rates, data are not presented in terms of a common currency. Instead of rates which would be appropriate to apply to the construction industry, the following official exchange rates are listed here merely to give a general idea of the value of the foreign currencies. These rates should be used with caution, as they have been arbitrarily established and maintained.

Country	Currency	Units of Bloc Cur- rency per US\$
USSR.....	ruble.....	4.0
Albania.....	lek.....	50.0
Bulgaria.....	lev.....	6.8
Czechoslovakia....	crown.....	7.17
East Germany.....	Deutsche mark.	2.22
Poland.....	zloty.....	4.0
Rumania.....	leu.....	6.0

^b State construction; assembly work only.

^c Net output.

^d Volume of construction and assembly by socialized units.

^e 1937.

^f State and cooperative construction.

Table 114

NEW URBAN HOUSING CONSTRUCTION IN THE SINO-SOVIET BLOC,^a 1938, 1950, AND 1954-57

Country	Thousand Square Meters ^b					
	1938	1950	1954	1955	1956	1957
USSR.....	9,900	24,200	32,500	33,400	36,900	48,000
Communist China.....	<i>n a</i>	<i>n a</i>	13,000	14,000	21,000	20,000
North Korea.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	^c 6,100	<i>n a</i>	1,540
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	^d 85	<i>n a</i>
Albania ^e	<i>n a</i>	<i>n a</i>	<i>n a</i>	117	66.8	101
Bulgaria.....	<i>n a</i>	334	488	796	630	668
Czechoslovakia.....	<i>n a</i>	2,330	1,940	2,690	2,830	3,060
East Germany.....	<i>n a</i>	<i>n a</i>	1,600	1,410	1,460	2,170
Hungary.....	<i>n a</i>	572	628	725	586	923
Poland.....	<i>n a</i>	2,200	2,410	2,740	2,680	3,330
Rumania.....	<i>n a</i>	370	887	1,020	980	1,060

^a Including both state and private housing unless otherwise noted.

^b Data refer to thousand square meters of the total usable area within the apartment units.

^c Total for 1954-56.

^d Total for 1955-57.

^e State housing only.

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CONSTRUCTION

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Table 115

PRODUCTION OF CEMENT, 1938, 1946, 1950, 1954-58, AND 1960 PLAN

Country	Thousand Metric Tons							
	1938	1946	1950	1954	1955	1956	1957	1958 Estimate 1960 Plan
NATO *	49,800	49,400	82,900	107,000	122,000	128,000	128,000	n a
US.....	18,200	28,300	39,100	46,900	53,500	56,500	53,100	n a
Sino-Soviet Bloc.....	14,800	n a	20,500	36,000	41,000	46,600	52,600	59,300 84,900
USSR.....	5,690	3,370	10,200	19,000	22,500	24,900	28,900	^b 33,900 52,000
Communist China.....	^c 2,180	n a	1,410	4,580	4,500	6,400	6,700	7,650 ^d 10,100
North Korea.....	^e 945	n a	350	230	359	597	895	1,010 1,240
North Vietnam.....	266	36	143	254	8.5	199	232	271 300
European Satellites...	5,700	n a	8,370	11,900	13,700	14,600	15,900	16,400 21,300
Albania.....	^e 14	n a	15	15	43	65	70	89 126
Bulgaria.....	180	n a	602	780	812	859	900	1,020 ^d 1,260
Czechoslovakia.....	^f 1,270	n a	2,000	2,560	2,890	3,150	3,680	3,900 4,520
East Germany.....	^g 1,690	570	1,410	2,640	2,970	3,270	3,460	3,740 5,140
Hungary.....	323	133	797	947	1,180	995	790	n a ^h n a
Poland.....	1,720	1,400	2,510	3,400	3,810	4,040	4,490	4,880 6,610
Rumania.....	510	315	1,030	1,560	1,990	2,190	2,500	2,800 3,600

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	4,670	4,700	Italy.....	11,600	12,200	Saar.....	330	ⁱ 328
Canada.....	4,630	5,700	Netherlands.....	1,260	1,320	Turkey.....	972	n a
Denmark.....	1,190	1,160	Norway.....	917	989	UK.....	13,000	12,200
France.....	11,400	12,800	Portugal.....	1,020	978	West Germany....	19,700	19,200
Greece.....	1,240	ⁱ 1,030						

OTHER COUNTRIES

Austria.....	1,940	2,130	Japan.....	13,000	15,200	Sweden.....	2,500	2,450
Finland.....	960	946	Spain.....	4,000	n a	Yugoslavia.....	1,560	1,980
India.....	5,000	5,690						

* Excluding Iceland, Luxembourg (1954-57), and Turkey (1957). The 1938 total includes 1936 data for West Germany. The 1957 total includes an 11-month total for Greece and the Saar. Data refer, as nearly as possible, to all types of hydraulic cements used for construction.

^b Plan.

^c Pre-World War II average.

^d Estimate.

^e 1939.

^f 1937.

^g 1936.

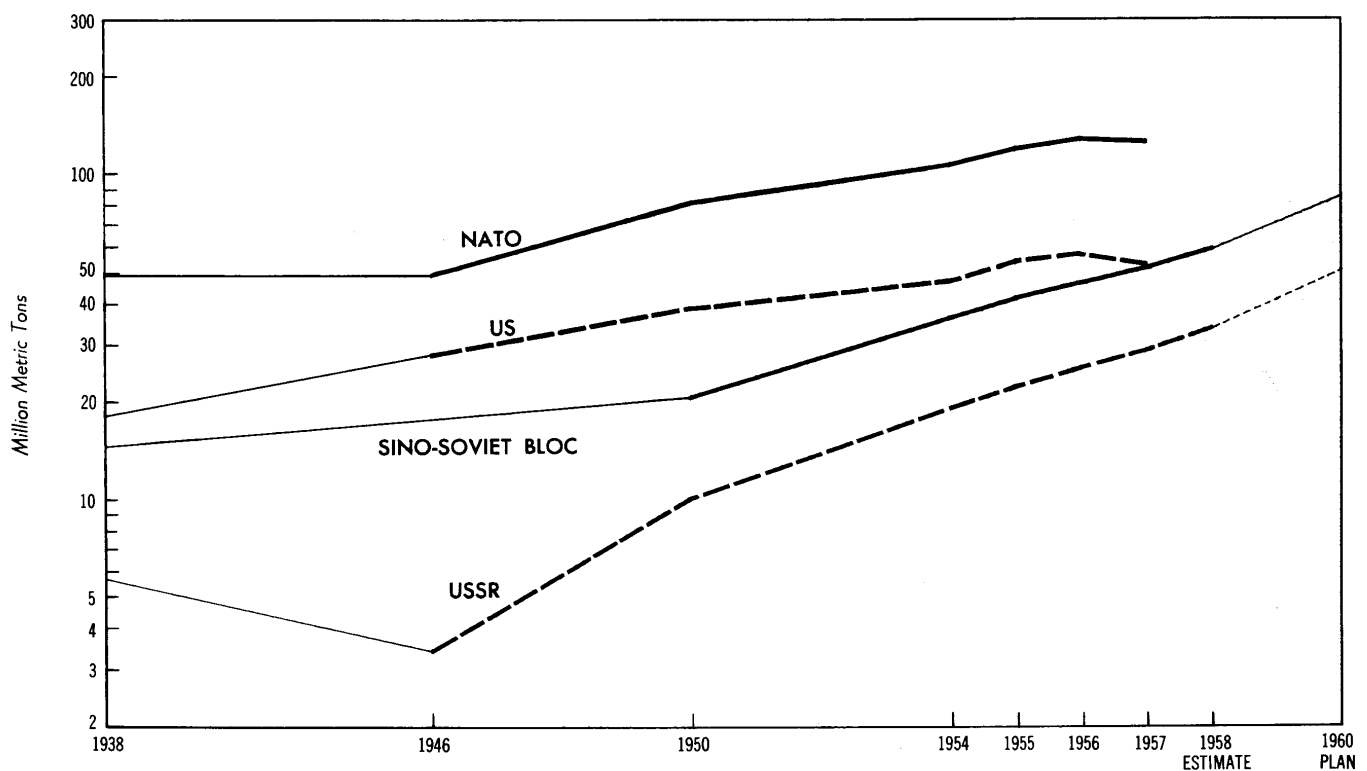
^h Pre-uprising plan of 1.86 million tons is believed to have no validity now.

ⁱ 11 months.

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Figure 17

**COMPARISON OF PRODUCTION OF CEMENT
IN SELECTED AREAS, 1938, 1946, 1950, 1954-58, AND 1960 PLAN**



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CONSTRUCTION

Table 116
 PRODUCTION OF BRICKS, 1938, 1950, AND 1954-57

Country	Million Units					
	1938	1950	1954	1955	1956	1957
NATO ^a	13,200	22,400	24,300	26,900	25,900	<i>n a</i>
US.....	3,530	6,330	6,150	7,900	8,090	6,400
Sino-Soviet Bloc.....	16,000	15,000	26,900	29,800	30,800	48,100
USSR.....	^b 8,700	10,200	18,800	20,800	21,400	24,000
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	14,000
North Korea.....	<i>n a</i>	<i>n a</i>	335	620	694	736
European Satellites.....	7,300	4,860	7,810	8,330	8,670	9,330
Albania.....	0.8	3.6	12.7	18.0	22.3	26.6
Bulgaria.....	^c 65.2	238	417	444	553	689
Czechoslovakia.....	^b 836	865	1,320	1,480	1,590	1,740
East Germany.....	^d 3,670	1,360	1,910	1,960	1,950	2,010
Hungary.....	647	796	1,140	1,200	1,190	1,250
Poland.....	1,880	1,240	2,450	2,560	2,620	2,780
Rumania.....	200	370	561	668	736	843

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	2,200	2,410	Netherlands.....	1,490	1,580	Saar.....	69.1	<i>n a</i>
Canada ^a	505	<i>n a</i>	Norway.....	96	<i>n a</i>	UK.....	7,130	6,910
Denmark.....	460	<i>n a</i>	Portugal.....	176	<i>n a</i>	West Germany.....	5,720	5,500

^a Excluding France, Iceland, and Turkey (all years); Italy (except 1950); Luxembourg (1955-56); Greece (1956); Belgium, Portugal, and West Germany (1938).

^b 1937.

^c 1939.

^d 1936.

^e Producers' sales.

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COMMUNICATIONS

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Table 117

NUMBER OF WIRED LOUDSPEAKERS IN PUBLIC USE, 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
NATO *	<i>n a</i>	<i>n a</i>	<i>n a</i>	1,740	1,750	1,710
Sino-Soviet Bloc	4,380	10,300	19,600	23,400	26,900	31,100
USSR	4,380	9,680	16,400	19,500	22,200	25,200
Communist China	<i>n a</i>	45.6	1,140	1,410	1,980	3,070
European Satellites	<i>Negl.</i>	614	2,000	2,430	2,740	2,880
Albania	0	0	6	7	8	9
Bulgaria	0	27	230	304	322	380
Czechoslovakia	0	0	1	35	98	170
East Germany	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
Hungary	0	2	250	259	250	250
Poland	0	572	1,180	1,320	1,510	1,480
Rumania	0	13	330	510	557	587

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium	130	^b 133	Netherlands	542	531	UK	1,080	1,040

* Including Belgium, the Netherlands, and the UK. Data refer to the number of licenses issued for radio distribution (wired) loudspeakers. Date of information varies during the year stated.

^b Estimate as of 31 December 1956.

Table 118

NUMBER OF MASS AURAL RADIO BROADCAST TRANSMITTING STATIONS, 1938, 1950, AND 1954-57

Country	Units					
	1938	1950	1954	1955	1956	1957
NATO *	966	3,530	4,270	4,580	4,900	<i>n a</i>
US	734	2,880	3,400	3,660	3,850	4,140
Sino-Soviet Bloc	116	367	411	429	469	516
USSR ^b	^c 86	162	178	190	220	256
Communist China ^{b d}	<i>n a</i>	127	140	133	140	147
North Korea	<i>n a</i>	11	7	9	9	9
European Satellites	30	67	86	97	100	104
Albania	1	5	5	7	8	8
Bulgaria	4	6	6	7	7	7
Czechoslovakia	8	17	22	22	22	22
East Germany	<i>n a</i>	12	21	21	21	21
Hungary	7	8	8	8	9	9
Poland	8	12	16	17	17	19
Rumania	2	7	8	15	16	18

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium	12	12	Iceland	4	<i>n a</i>	Portugal *	51	33
Canada	246	249	Italy	178	274	Turkey	5	5
Denmark	13	19	Luxembourg	4	3	UK	54	60
France	42	45	Netherlands	8	8	West Germany	262	294
Greece	16	18	Norway	29	31			

* 1954 total excludes Turkey. 1956 total excludes Iceland. Data refer only to stations broadcasting to the public.

^b Including both domestic and international transmitters.

^c 1937.

^d Data refer to the number of radiobroadcasting stations. There may be more than one transmitter per station.

* Including the Azores and Madeira.

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COMMUNICATIONS

Table 119
NUMBER OF TELEVISION TRANSMITTING STATIONS, 1950 AND 1954-57

Country					
	1950	1954	1955	1956	Units 1957
NATO ^a	<i>n a</i>	695	694	764	950
US.....	97	573	582	^b 609	^{b c} 651
Sino-Soviet Bloc ^d	1	10	25	39	58
USSR.....	1	3	12	22	^e 39
European Satellites.....	0	7	13	17	19
Bulgaria.....	0	0	0	1	1
Czechoslovakia.....	0	1	2	3	3
East Germany.....	0	4	8	9	9
Hungary.....	0	1	1	1	1
Poland.....	0	1	1	2	4
Rumania.....	0	0	1	1	1

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	4	4	Luxembourg.....	1	1	Saar.....	1	1
Canada.....	36	^b 46	Netherlands.....	2	4	Turkey.....	1	1
Denmark.....	3	4	Norway.....	1	^b 1	UK.....	19	23
France.....	^f 17	23	Portugal.....	1	2	West Germany.....	32	47
Italy.....	37	^e 142						

^a No stations in Greece and Iceland. There were no stations in Norway and Turkey until 1955 or in Portugal until 1956.

^b June estimate.

^c Including stations not on the air.

^d No stations in Albania.

^e In addition, there are 57 television relay and local stations.

^f Including Algeria.

^g Including television relay stations.

^h Off the air.

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Table 120

NUMBER OF MASS AURAL RADIOBROADCAST RECEIVERS IN PUBLIC USE,^a 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
NATO ^b	72,200	128,000	180,000	196,000	209,000	218,000
US.....	41,000	90,000	124,000	139,000	144,000	149,000
Sino-Soviet Bloc.....	3,180	10,800	17,100	19,600	22,200	26,300
USSR.....	550	1,770	4,730	6,100	7,380	9,860
Communist China.....	<i>n a</i>	1,000	1,550	1,690	1,890	2,070
North Korea.....	<i>n a</i>	100	<i>n a</i>	<i>n a</i>	100	100
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	230	300
European Satellites.....	2,620	7,920	10,800	11,800	12,600	13,900
Albania.....	3	20	21	22	23	24
Bulgaria.....	50	201	275	327	399	475
Czechoslovakia.....	1,000	2,400	2,800	2,900	3,000	3,100
East Germany.....	<i>n a</i>	3,490	4,780	5,010	5,220	5,610
Hungary.....	420	618	1,020	1,170	1,340	1,550
Poland.....	900	890	1,500	1,700	1,900	2,300
Rumania.....	252	300	430	654	768	882

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	2,070	2,260	Iceland.....	41	61	Portugal.....	1,200	1,200
Canada.....	9,050	<i>n a</i>	Italy.....	7,000	7,400	Saar.....	234	<i>n a</i>
Denmark.....	1,700	1,820	Luxembourg.....	81.0	85.7	Turkey.....	1,200	<i>n a</i>
France.....	10,200	10,500	Netherlands.....	2,340	2,430	UK ^c	14,200	15,800
Greece.....	500	<i>n a</i>	Norway.....	1,400	1,430	West Germany....	14,500	14,900

^a Excluding wire-diffusion loudspeaker receiving units.^b The 1957 total includes 1956 data for Canada, Greece, the Saar, and Turkey. Data refer to the estimated number of radio receivers in use in all countries in 1956 and 1957 and in Canada and the US in all years. Otherwise the data refer to numbers of licenses issued.^c Sound and television licenses combined.

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COMMUNICATIONS

Table 121
NUMBER OF TELEVISION RECEIVERS IN PUBLIC USE, 1950 AND 1954-57

Country	Thousand Units				
	1950	1954	1955	1956	1957
NATO *	<i>n a</i>	<i>n a</i>	46,900	53,200	57,400
US.....	9,800	33,000	39,400	42,700	^b 44,000
Sino-Soviet Bloc *	15	457	869	1,460	2,820
USSR.....	15	450	823	1,320	2,500
European Satellites	0	6.6	46.2	132	320
Bulgaria.....	0	0	0	0.3	0.5
Czechoslovakia.....	0	4.0	32	58.0	160
East Germany.....	0	2.3	13.6	70.6	125
Hungary.....	0	0.1	0.2	0.8	2.0
Poland.....	0	0.2	0.3	1.7	25.0
Rumania.....	0	0	0.1	0.1	7.5

NATO COUNTRIES

	1956	1957		1956	1957		1956	1957
Belgium.....	125	250	Luxembourg.....	1.0	1.4	Saar.....	3.5	6.0
Canada.....	2,200	<i>n a</i>	Netherlands.....	100	200	Turkey.....	0.2	0.5
Denmark.....	40	100	Norway.....	0.3	0.3	UK.....	6,540	8,000
France.....	400	700	Portugal.....	0.3	4.5	West Germany...	700	1,250
Italy.....	410	700						

* No receivers in Greece or Iceland. Portugal had no receivers until 1956. The 1957 total includes 1956 data for Canada.

^b Midyear estimate.

* No receivers in use in countries of the Sino-Soviet Bloc which are not listed.

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Table 122
NUMBER OF TELEPHONE SUBSCRIBERS,^a 1938, 1950, AND 1954-57

Country	Thousand Units					
	1938	1950	1954	1955	1956	1957
NATO.....	^b 31,600	60,300	75,500	80,800	86,600	<i>n a</i>
US.....	20,000	43,000	52,800	56,200	60,200	<i>n a</i>
Sino-Soviet Bloc.....	2,070	2,920	3,920	4,240	4,530	4,860
USSR.....	948	1,410	1,820	1,930	2,070	2,200
Communist China.....	160	230	338	399	460	551
North Korea.....	9.09	14.6	^c 14.8	16.7	<i>n a</i>	<i>n a</i>
European Satellites.....	954	1,270	1,750	1,890	2,010	2,110
Albania.....	0.9	1.1	1.4	1.5	1.6	1.7
Bulgaria.....	29	78	110	112	120	128
Czechoslovakia.....	220	451	607	662	703	744
East Germany ^d	270	357	457	481	506	531
Hungary.....	159	84	143	152	160	168
Poland.....	206	194	301	338	360	371
Rumania.....	69	103	134	145	155	165

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	878	931	Iceland.....	27.1	28.3	Portugal.....	256	280
Canada.....	4,150	4,500	Italy.....	2,330	2,610	Saar.....	54.6	60.0
Denmark.....	897	923	Luxembourg.....	32.3	35.5	Turkey.....	139	174
France.....	3,120	3,310	Netherlands.....	1,120	1,230	UK.....	6,880	7,220
Greece.....	122	137	Norway.....	588	614	West Germany.....	3,990	4,320

^a End-of-year estimates. Data for the Sino-Soviet Bloc refer to telephone subscribers, including both private and civil governmental (other than military) users. Data for NATO refer to telephones in use, including both public and private telephones which can be connected to a central exchange. The number of subscribers is less than the number of telephones in the same country, but no reliable ratio between the two can be supplied.

^b 1937 except for the US, for which 1938 data are used.

^c 1952.

^d Data refer to the number of telephone subscriber lines and are indicative only of the total number of telephones in use.

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Table 123
NUMBER OF TELEPHONE CONVERSATIONS,^a 1938, 1950, AND 1954-57

Country	Million Conversations					
	1938	1950	1954	1955	1956	1957
NATO ^b	<i>n a</i>	<i>n a</i>	4,500	4,900	5,750	<i>n a</i>
US.....	877	2,120	2,270	2,480	3,080	<i>n a</i>
Sino-Soviet Bloc.....	121	356	521	567	596	630
USSR.....	57	103	126	135	141	148
Communist China.....	<i>n a</i>	15.6	46.6	54.9	61.9	70.9
North Korea.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	3.22	<i>n a</i>	<i>n a</i>
European Satellites.....	63.6	237	348	374	393	412
Albania.....	0.05	0.11	0.15	0.16	0.17	0.18
Bulgaria.....	3.0	14.0	26.0	29.5	33.1	36.7
Czechoslovakia.....	19	51	68	72	76	80
East Germany ^c	<i>n a</i>	88.6	110	115	119	123
Hungary.....	6.6	13.9	24.1	25.2	24.9	23.0
Poland.....	28.1	47.0	89.4	97.0	102	107
Rumania.....	6.9	22.7	30.3	34.9	38.4	41.9

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	83.7	91.1	Iceland.....	1.70	1.80	Saar.....	1.30	1.40
Canada.....	153	171	Italy ^d	233	268	Turkey.....	7.50	9.20
Denmark.....	172	183	Netherlands ^d	265	303	UK.....	335	323
France.....	532	572	Norway.....	57.7	58.0	West Germany...	558	637
Greece.....	6.20	6.80	Portugal.....	43.3	48.6			

^a Long-distance telephone calls, including both domestic and international calls.

^b Excluding Luxembourg (1955-56).

^c Including both regular long-distance telephone calls and urgent or fast service long-distance calls.

^d 3-minute units.

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Table 124

NUMBER OF TELEGRAMS SENT OVER THE DOMESTIC PUBLIC SYSTEM, 1938, 1950, AND 1954-57

Country	Million Telegrams					
	1938	1950	1954	1955	1956	1957
NATO *	345	334	294	295	283	<i>n a</i>
US.....	186	179	153	154	150	<i>n a</i>
Sino-Soviet Bloc.....	140	206	260	266	271	277
USSR.....	115	154	201	203	206	209
Communist China.....	5.43	10.3	14.2	15.8	17.4	18.8
North Korea.....	<i>n a</i>	^b 1.44	<i>n a</i>	1.56	<i>n a</i>	<i>n a</i>
European Satellites.....	19.5	40.7	45.3	45.5	47.4	49.2
Albania.....	0.3	1.2	1.5	1.5	1.5	1.5
Bulgaria.....	3.6	6.8	6.5	6.1	6.1	6.1
Czechoslovakia.....	4.9	8.2	9.4	9.7	10.0	10.3
East Germany.....	<i>n a</i>	9.8	7.5	7.6	8.0	8.4
Hungary.....	2.9	4.0	5.8	5.7	6.1	6.1
Poland.....	4.2	7.2	9.9	10.4	10.9	12.0
Rumania.....	3.6	3.5	4.7	4.5	4.8	4.8

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	4.24	4.12	Iceland.....	0.324	0.333	Portugal.....	2.18	2.22
Canada.....	17.4	17.7	Italy.....	34.4	36.6	Turkey.....	11.5	9.94
Denmark.....	1.48	1.38	Luxembourg....	0.180	0.185	UK.....	20.5	16.8
France.....	16.3	12.4	Netherlands....	2.56	2.60	West Germany..	20.5	18.6
Greece.....	5.11	5.15	Norway.....	4.67	4.17			

* Data for the most part refer to all types of domestic telegrams received and sent, excluding foreign telegrams and cablegrams.

^b 1948.

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Table 125

VOLUME OF LETTERS MAILED IN THE DOMESTIC PUBLIC SYSTEM, 1938, 1950, AND 1954-57

Country	Million Letters					
	1938	1950	1954	1955	1956	1957
NATO ^a	44,100	66,600	77,000	86,000	87,200	<i>n a</i>
US ^b	26,000	45,100	52,200	55,200	56,400	<i>n a</i>
Sino-Soviet Bloc.....	3,790	6,880	8,670	9,300	9,620	10,000
USSR ^d	1,650	2,610	3,430	3,790	3,900	4,000
Communist China.....	<i>n a</i>	608	710	806	903	1,000
European Satellites.....	2,140	3,660	4,530	4,700	4,820	5,030
Bulgaria.....	^e 103	167	217	185	156	156
Czechoslovakia.....	^f 642	998	1,170	1,260	1,310	1,360
East Germany.....	<i>n a</i>	1,140	1,260	1,280	1,280	1,280
Hungary.....	^f 350	368	506	470	404	410
Poland.....	^f 845	844	1,180	1,290	1,440	1,580
Rumania.....	202	146	200	214	228	242

NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	2,080	2,110	Iceland.....	7.45	7.72	Portugal.....	289	315
Canada ^a	3,040	3,040	Italy.....	3,390	3,690	Saar.....	50.1	<i>n a</i>
Denmark.....	420	420	Luxembourg....	29.3	31.5	Turkey.....	220	163
France.....	4,280	4,900	Netherlands....	1,630	<i>n a</i>	UK.....	9,230	9,460
Greece.....	164	166	Norway.....	303	310	West Germany..	5,650	6,170

^a Excluding Canada (1954), Denmark (1950), France (1950 and 1954), Italy (1938), and the Netherlands (1956). Data refer to letters (airmail, ordinary mail, and registered), postcards, printed matter, business papers, small merchandise samples, small packets, and phonopost packets. They include mail carried without a charge but, unless otherwise noted, exclude ordinary packages and letters and packages with a declared value. Unless otherwise noted, mail is domestic.

^b Including ordinary packages and letters and packages with a declared value.

^c Including domestic and foreign mail received and sent.

^d Data refer to paid letters, including postcards, regular letters, air mail, registered, and special letters.

^e 1939.

^f 1937.

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Table 126

TOTAL TRADE TURNOVER OF THE SINO-SOVIET BLOC, BY COUNTRY, 1950 AND 1954-57

Country	Million Current US\$				
	1950	1954	1955	1956	1957
Sino-Soviet Bloc.....	9,330	17,200	18,800	21,200	<i>n a</i>
USSR.....	3,250	6,250	6,530	7,280	8,250
Communist China.....	1,220	2,460	3,170	3,260	3,150
North Korea.....	<i>n a</i>	288	256	249	<i>n a</i>
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	190	<i>n a</i>
European Satellites.....	4,860	8,170	8,840	10,200	<i>n a</i>
Albania.....	25.0	<i>n a</i>	59.4	<i>n a</i>	<i>n a</i>
Bulgaria.....	252	429	424	588	<i>n a</i>
Czechoslovakia.....	1,350	1,940	2,230	2,570	2,740
East Germany.....	876	2,380	2,450	2,740	3,420
Hungary.....	644	1,040	1,140	949	1,160
Poland.....	1,300	1,770	1,840	1,880	<i>n a</i>
Rumania.....	405	620	693	660	700

Table 127

INTRA-BLOC TRADE, 1955-57

Country	Million Current US\$								
	Imports			Exports			Total Trade		
	1955	1956	1957	1955	1956	1957	1955	1956	1957
Sino-Soviet Bloc.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	13,700	14,300	<i>n a</i>
USSR.....	2,420	2,740	<i>n a</i>	2,770	2,790	<i>n a</i>	5,190	5,520	<i>n a</i>
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	2,370	2,165	2,010
North Korea *.....	205	180	82.9	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	170	<i>n a</i>
European Satellites.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	6,110	6,410	<i>n a</i>
Bulgaria.....	168	201	<i>n a</i>	203	296	<i>n a</i>	371	497	<i>n a</i>
Czechoslovakia.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	1,560	1,710	1,780
East Germany.....	826	950	<i>n a</i>	938	1,030	<i>n a</i>	1,760	1,980	2,500
Hungary.....	291	284	472	401	306	298	692	590	770
Poland.....	601	559	<i>n a</i>	565	559	<i>n a</i>	1,170	1,120	<i>n a</i>
Rumania.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	554	516	530

* Including only imports which were aid.

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Table 128
SINO-SOVIET BLOC TRADE WITH THE FREE WORLD,* BY COUNTRY, 1955-57

Country	Million Current US\$								
	Imports from Free World			Exports to Free World			Total Trade with Free World		
	1955	1956	1957	1955	1956	1957	1955	1956	1957
Sino-Soviet Bloc.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	5,870	<i>n a</i>
USSR.....	643	877	<i>n a</i>	701	882	<i>n a</i>	1,340	1,760	<i>n a</i>
Communist China.....	<i>n a</i>	500	<i>n a</i>	<i>n a</i>	590	<i>n a</i>	805	1,090	1,140
North Korea.....	<i>Negl.</i>	<i>n a</i>	<i>n a</i>	<i>Negl.</i>	<i>n a</i>	<i>n a</i>	<i>Negl.</i>	<i>n a</i>	<i>n a</i>
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	5	20	<i>n a</i>
European Satellites.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	3,000	<i>n a</i>
Albania.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
Bulgaria.....	27.3	46.9	<i>n a</i>	25.9	43.7	<i>n a</i>	53.2	90.6	<i>n a</i>
Czechoslovakia.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	670	860	960
East Germany.....	346	384	<i>n a</i>	340	378	<i>n a</i>	686	762	925
Hungary.....	244	173	<i>n a</i>	208	186	<i>n a</i>	451	359	390
Poland.....	330	353	<i>n a</i>	345	406	<i>n a</i>	676	759	<i>n a</i>
Rumania.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	139	146	170

* In general, these figures are based on Sino-Soviet Bloc sources and do not agree with the data in Table 129, which contains trade data reported by Free World countries.

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Table 129

SINO-SOVIET BLOC TRADE WITH THE FREE WORLD, BY AREA OF THE FREE WORLD, 1950 AND 1954-56

Thousand Current US\$

Reporting Areas	Imports (f.o.b.)*				Exports (c.i.f.)*			
	1950	1954	1955	1956	1950	1954	1955	1956
USSR								
Total Reporting Areas	301,098	576,699	601,648	784,070	252,101	495,585	635,606	806,276
US	752	216	252	3,819	38,300	11,929	17,139	24,468
Canada	168	4,988	2,716	25,026	104	720	642	1,027
OEEC Countries	120,280	259,641	270,155	428,773	154,627	330,490	435,270	486,728
Other European Countries	64,802	147,853	155,852	190,768	23,676	84,423	101,411	179,973
Near East and Africa	33,364	56,829	70,633	48,189	27,821	23,264	29,101	43,964
Far East	54,521	9,411	22,889	49,961	6,315	6,074	10,597	38,630
Oceania	26,121	40,491	6,408	5,778	1,216	1,862	2,188	1,368
Latin America	1,090	57,270	72,743	31,756	42	36,823	39,258	30,118
Communist China								
Total Reporting Areas	452,128	294,218	317,263	434,190	534,695	379,741	487,090	641,389
US	46,548	6	3	0	146,496	168	195	223
Canada	1,896	72	1,030	2,468	4,884	1,672	3,162	5,815
OEEC Countries	56,869	83,106	99,031	182,637	94,848	97,607	128,352	159,440
Other European Countries	395	6,587	12,455	11,838	265	2,848	4,128	6,631
Near East and Africa	3,543	12,905	27,028	30,515	15,566	15,240	26,438	38,302
Far East	331,832	178,000	165,038	193,059	266,807	254,826	317,909	422,997
Oceania	1,897	3,265	6,761	10,497	5,251	4,675	5,177	5,414
Latin America	9,148	10,277	5,917	3,176	578	2,705	1,729	2,567

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European Satellites								
Total Reporting Areas.....	791,600	895,981	1,158,058	1,318,491	939,758	955,505	1,283,650	1,473,069
US.....	25,949	5,905	6,791	7,415	42,285	30,478	38,666	40,985
Canada.....	3,717	997	7,996	38,064	5,946	3,233	4,223	9,002
OEEC Countries.....	583,395	657,629	770,892	873,348	688,010	622,878	825,170	976,690
Other European Countries.....	16,265	41,866	70,205	87,107	46,637	101,721	135,608	141,834
Near East and Africa.....	29,664	52,928	89,159	132,778	65,200	81,934	94,145	127,535
Far East.....	28,388	31,835	67,635	63,933	26,906	33,388	57,032	66,109
Oceania.....	42,801	29,393	44,680	41,318	15,598	8,554	8,780	9,950
Latin America.....	61,421	75,428	100,700	74,528	49,176	73,319	120,026	100,964
Sino-Soviet Bloc ^b								
Total Reporting Areas.....	1,544,826	1,767,083	2,076,994	2,536,810	1,726,554	1,837,826	2,416,179	2,936,857
US.....	73,249	6,127	7,046	11,234	227,081	49,424	65,656	72,754
Canada.....	5,781	6,057	11,742	65,558	10,934	5,625	8,027	15,844
OEEC Countries.....	760,544	1,000,378	1,140,097	1,484,779	937,485	1,051,045	1,388,926	1,623,934
Other European Countries.....	81,462	196,306	238,512	289,713	70,578	188,992	241,147	328,438
Near East and Africa.....	66,571	122,831	186,820	211,503	108,587	120,438	149,684	209,832
Far East.....	414,741	219,260	255,562	306,970	300,028	294,364	385,581	535,674
Oceania.....	70,819	73,149	57,855	57,593	22,065	15,091	16,145	16,732
Latin America.....	71,659	142,975	179,360	109,460	49,796	112,847	161,013	133,649

Source: *Value Series*, Bureau of Foreign Commerce, Department of Commerce.^a Unadjusted.^b Including trade of North Korea, North Vietnam, and Outer Mongolia.

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Table 130

CONSTRUCTION OF NAVAL VESSELS IN THE SINO-SOVIET BLOC,^a 1950-57

Country	Thousand Standard Displacement Tons							
	1950	1951	1952	1953	1954	1955	1956	1957
Sino-Soviet Bloc ^b	162	152	129	155	195	205	182	106
USSR.....	161	150	124	149	188	196	165	80.0
Communist China.....	0.2	0.3	1.5	3.0	3.0	5.0	13.0	21.5
European Satellites.....	0.4	1.2	3.1	2.8	3.7	3.7	4.0	4.0
East Germany.....	0.4	1.2	3.1	2.8	3.7	3.7	4.0	2.3
Poland.....	0	0	0	0	0	0	0	1.7

^a Including major and minor combatant types but excluding naval auxiliaries.

^b No construction of naval vessels in countries of the Sino-Soviet Bloc which are not listed.

Table 131

INVENTORY OF NAVAL VESSELS, BY TYPE, AS OF 1 OCTOBER 1957 ^a

Country	Surface Ships						Units
							Submarines
	Aircraft Carriers	Battle-ships	Cruisers	Destroyers	Patrol Vessels	Mine Vessels	
NATO.....	97	23	105	579	984	1,088	303
US ^b	80	15	73	381	434	298	196
Sino-Soviet Bloc.....	0	1	29	165	1,692	707	487
USSR.....	0	1	28	151	1,262	578	459
Communist China....	0	0	1	4	267	31	16
North Korea.....	0	0	0	0	37	0	0
North Vietnam.....	0	0	0	0	30	0	0
European Satellites ^c ..	0	0	0	10	96	98	12
Albania.....	0	0	0	0	14	5	0
Bulgaria.....	0	0	0	1	25	22	3
East Germany.....	0	0	0	0	3	52	0
Poland.....	0	0	0	2	38	15	9
Rumania.....	0	0	0	7	16	4	0

^c Czechoslovakia and Hungary have no ships of these types.

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Table 132
 PRODUCTION OF AIRCRAFT, BY TYPE,* 1956-57

Country	Units							
	Bombers		Fighters		Transports		Others	
	1956	1957	1956	1957	1956	1957	1956	1957
NATO.....	1,201	937	3,667	3,406	839	892	10,658	9,450
US.....	1,012	771	2,289	2,384	636	662	9,514	8,379
Belgium.....	0	0	52	88	0	0	1	0
Canada.....	5	28	286	140	0	0	354	212
France.....	9	38	246	126	44	41	212	444
Italy.....	0	0	40	165	0	1	223	143
Netherlands.....	0	0	58	66	0	0	9	3
Portugal.....	0	0	0	0	0	0	22	0
Turkey.....	0	0	0	0	0	0	27	8
UK.....	175	100	696	437	159	188	296	177
West Germany.....	0	0	0	0	0	0	0	84
Sino-Soviet Bloc.....	1,185	804-878	3,786	2,962	664	475	2,795	2,795
USSR.....	1,185	804-878	3,231	2,574	652	375	1,750	1,750
Communist China.....	0	0	0	1	0	0	0	0
European Satellites.....	0	0	555	387	12	100	1,045	1,045
Bulgaria.....	0	0	0	0	0	0	60	36
Czechoslovakia.....	0	0	195	185	7	79	869	788
East Germany.....	0	0	0	0	5	21	0	0
Hungary.....	0	0	0	0	0	0	10	50
Poland.....	0	0	360	202	0	0	70	134
Rumania.....	0	0	0	0	0	0	36	37

Source: Official USAF publications.

* No production in countries of NATO or the Sino-Soviet Bloc which are not listed.

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Table 133

PRODUCTION OF TANKS AND ASSAULT GUNS, BY TYPE, 1956-57

Country	Units									
	Amphibious Tanks		Medium Tanks		Heavy Tanks		Medium Assault Guns		Heavy Assault Guns	
	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957
NATO.....	0	0	<i>n a</i>	1,070	0	0	0	0	0	0
US.....	0	0	1,200	842	0	0	0	0	0	0
UK.....	0	0	<i>n a</i>	228	0	0	0	0	0	0
Sino-Soviet Bloc.....	300	500	4,750	3,550	600	500	950	1,250	500	500
USSR.....	300	500	4,000	3,000	600	500	500	800	500	500
European Satellites.....	0	0	750	550	0	0	450	450	0	0
Czechoslovakia.....	0	0	450	450	0	0	450	450	0	0
Poland.....	0	0	300	100	0	0	0	0	0	0

• Fiscal year 1957.

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SELECTED BIBLIOGRAPHY

1. Agriculture, Foreign Agricultural Service. *Foreign Agriculture Circular*.
2. Agriculture, Foreign Agricultural Service. *Foreign Crops and Markets*.
3. American Bureau of Metal Statistics. *Yearbook of the American Bureau of Metal Statistics*.
4. Canada, Dominion Bureau of Statistics. *Canadian Statistical Review*.
5. Commerce, Bureau of the Census. *Statistical Abstract of the United States*.
6. Commerce, Office of Business Economics. *Survey of Current Business*.
7. Great Britain, British Bureau of Non-Ferrous Metal Statistics. *World Non-Ferrous Metal Statistics*.
8. Great Britain, Central Statistical Office. *Annual Abstract of Statistics*.
9. Great Britain, Colonial Geological Surveys, Mineral Resources Division. *Statistical Summary of the Mineral Industry, 1950-55*.
10. Interior, Bureau of Mines. *International Coal Trade*.
11. International Cotton Advisory Committee. *Cotton*.
12. Organization of European Economic Cooperation. *Industrial Statistics, 1900-55*.
13. Organization for European Economic Cooperation. *OEEC Statistical Bulletin, General Statistics*.
14. UN. *Annual Bulletin of Transport Statistics for Europe*.
15. UN. *Yearbook of Food and Agricultural Statistics*.
16. UN. *Monthly Bulletin of Statistics*.
17. UN. *Statistical Yearbooks*.
18. US Operations Mission to France. *France Data Book*.

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